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ONE HUNDRED AND THIRTEENTH

ANNUAL CATALOGUE

OF THE

MEDICAL SCHOOL
(BOSTON)

OF

HARVARD UNIVERSITY

1895-96

[Reprinted from the Catalogue of the University]

CAMBRIDGE
Published by the University
1895

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1895.

JULY.

Su	Mo	Tu	W	Th	Fr	Sa
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7	8	9	10	11	12	13
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AUGUST.

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SEPTEMBER.

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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1896.

JANUARY.

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MARCH.

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MAY.

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JUNE.

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AUGUST.

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SEPTEMBER.

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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CALENDAR.

The meetings of the PRESIDENT AND FELLOWS *are held on the second and on the last Monday of every month.*

1895.

Sept. 23, Monday.	Examinations for admission to the Medical and Dental Schools.
Sept. 26, Thursday.	**Academic Year begins** in all departments of the University.
Sept. 26, Thursday.	Examinations for admission to the Law School.
Sept. 26, 27, Thursday and *Friday.*	Examinations for admission to advanced standing in the Law School.
Oct. 9, Wednesday.	Stated Meeting of the Board of Overseers.
Oct. 31, Thursday.	Last day for receiving applications of Candidates for Final Honors in 1896.
Oct. 31, Thursday.	Last day for receiving dissertations for the Bowdoin Prize.
Nov. 28, Thursday.	Thanksgiving day; a holiday.
Nov. 30, Saturday.	Last day for receiving applications for the Cheever (Medical) Scholarship.
Nov. 30, Saturday.	Last day for receiving applications for aid from the Loan Fund.
Dec. 14, Saturday.	Last day for receiving from first-year Students applications for Price Greenleaf Aid.

RECESS FROM DEC. 23, 1895, TO JAN. 2, 1896, INCLUSIVE.

1896.

Jan. 8, Wednesday.	Stated Meeting of the Board of Overseers.
Jan. 30, Thursday.	Second half-year begins in the Medical School.
Feb. 10, Monday.	**Second half-year begins** (except in the Medical School).
Feb. 22, Saturday.	Washington's Birthday; a holiday.
Feb. 29, Saturday.	Last day for receiving applications of candidates for Final Honors in Natural History in 1897.
March 31, Tuesday.	Last day for receiving applications for all Graduate Fellowships and Scholarships. and for College Scholarships to be assigned to Graduate Students.

March 31, Tuesday.	Last day for re-engaging College Rooms for 1896–97.
April 1, Wednesday.	Last day for receiving applications of candidates for Second-Year Honors.
April 1, Wednesday.	Last day for receiving dissertations for the Boylston Medical Prizes.
April 8, Wednesday.	Stated Meeting of the Board of Overseers.

RECESS FROM APRIL 19 TO APRIL 25, INCLUSIVE.

April 29, Wednesday.	Last day for receiving names of competitors for the Boylston Prizes for Elocution.
April 30, Thursday	Applications from Graduate Students for admission to examination for any degree should be made on or before this date.
May 1, Friday.	Last day for receiving from Divinity School Students applications for Scholarships and other Pecuniary Aid for 1896–97.
May 1, Friday.	Last day for receiving from persons intending to enter College applications for Price Greenleaf Aid for 1896–97.
May 1, Friday.	Last day for receiving dissertations for the Dante, Sargent, Paine, Toppan, Sumner, Sales, and Bennett Prizes.
May 1, Friday.	Last day for receiving theses of Candidates for the degree of Ph.D. or S.D.
May 2, Saturday.	Last day for receiving applications for College Rooms for 1896–97.
May 4, Monday.	Assignment of College Rooms for 1896–97.
May 14, Thursday.	Speaking for the Boylston Prizes.
May 27, Wednesday.	Last day for receiving from undergraduates applications for College Scholarships, and for Price Greenleaf Aid for 1896–97.
May 29, Friday.	Last day for receiving applications for Medical School Scholarships for 1896–97.
May 30, Saturday.	Memorial Day; a holiday.
June 1, Monday.	Last day for receiving applications for Scientific School and Law School Scholarships for 1896–97.
June 1, Monday.	Examinations in the Dental School begin.
June 3, Wednesday.	Examinations in the Medical School begin.
June 19, Friday.	Seniors' Class Day.
June 23, Tuesday.	Examinations for admission to the Dental and Veterinary Schools.

June 23, 25, 26, 27, Tuesday to *Saturday.*	Examinations for admission to Harvard College, and to the Lawrence Scientific School.
June 24, Wednesday.	**Commencement.** Stated Meeting of the Board of Overseers.

SUMMER VACATION OF FOURTEEN WEEKS, FROM COMMENCEMENT DAY TO SEPTEMBER 30, INCLUSIVE.

June 25, 26, Thursday and *Friday.*	Examinations for admission to the Law and Medical Schools.
July 6, Monday.	Summer School opens.
Sept. 24, 25, 26, 28, Thursday to *Monday.*	Examinations for admission to Harvard College, and to the Lawrence Scientific School.
Sept. 28, Monday.	Examinations for admission to the Medical School.
Sept. 28, Monday.	Examinations in the Medical School begin.
Sept. 28, Monday.	Examinations for admission to the Dental School.
Sept. 28, Monday.	Examinations in the Dental School begin.
Sept. 29, Tuesday.	Examinations for admission to the Veterinary School.
Sept. 30, Wednesday.	Annual Meeting of the Board of Overseers.
Oct. 1, Thursday.	**Academic Year begins** in all departments of the University.
Oct. 1, 2, Thursday and *Friday.*	Examinations for admission to the Law School.
Oct. 1, 2, Thursday and *Friday.*	Examinations for admission to advanced standing in the Law School.
Oct. 14, Wednesday.	Stated Meeting of the Board of Overseers.
Oct. 31, Saturday.	Last day for receiving applications of candidates for Final Honors in 1897.
Oct. 31, Saturday.	Last day for receiving dissertations for the Bowdoin Prize.
Nov. 26, Thursday.	Thanksgiving day; a holiday.
Nov. 30, Monday.	Last day for receiving applications for the Cheever (Medical) Scholarship.
Dec. 1, Tuesday.	Last day for receiving applications for aid from the Loan Fund.

THE MEDICAL SCHOOL.

BOSTON.

Instruction in this School is given by lectures, recitations, clinical teaching, and practical exercises, uniformly distributed throughout the academic year. The year begins on the Thursday following the last Wednesday in September,* and ends on the last Wednesday in June. There is a recess at Christmas, beginning December 23, and ending January 2; and a spring recess of one week in April.

The course of instruction has been greatly enlarged, and is so arranged as to carry the student progressively and systematically from one subject to another, in a just and natural order.

In the subjects of anatomy, physiology, histology, chemistry, bacteriology, and pathological anatomy, laboratory-work is substituted for, or added to, the usual didactic lectures, and is as much required of every student as attendance at lectures and recitations.

In the courses in the departments of Clinical Medicine, Clinical Surgery, and Obstetrics, satisfactory practical clinical work on the part of each student is a requirement for graduation, and opportunity is offered for practical voluntary work in all courses that can be so illustrated with advantage.

At the beginning of the academic year 1892–93 a graded course covering four years was established as the required course of study. The degree of Doctor of Medicine *cum laude* will be given to candidates who have pursued a complete four years' course, and obtained an average of over 75 per cent in all the examinations of this course.

A series of written and oral examinations on all the main subjects of medical instruction has been distributed for regular students through their entire course of study. Every candidate for the degree must pass a satisfactory examination in every one of the principal departments of medical instruction, at some time during the period of study.

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* That the time of study shall count as a full term, students of every class must present themselves within the first week of the term and register their names with the Secretary.

THE MEDICAL SCHOOL.

FACULTY.

CHARLES W. ELIOT, LL.D., *President.*
WILLIAM L. RICHARDSON, M.D., *Dean, and Professor of Obstetrics.*
JAMES C. WHITE, M.D., *Professor of Dermatology.*
OLIVER F. WADSWORTH, M.D., *Professor of Ophthalmology.*
HENRY P. BOWDITCH, M.D., *Professor of Physiology.*
CLARENCE J. BLAKE, M.D., O.M., *Professor of Otology.*
FRANK W. DRAPER, M.D., *Professor of Legal Medicine.*
CHARLES B. PORTER, M.D., *Professor of Clinical Surgery.*
J. ORNE GREEN, M.D., *Clinical Professor of Otology.*
A. LAWRENCE MASON, M.D., *Associate Professor of Clinical Medicine.*
J. COLLINS WARREN, M.D., LL.D., *Professor of Surgery.*
REGINALD H. FITZ, M.D., *Hersey Professor of the Theory and Practice of Physic.*
THOMAS DWIGHT, M.D., LL.D., *Parkman Professor of Anatomy.*
JAMES J. PUTNAM, M.D., *Professor of Diseases of the Nervous System.*
EDWARD S. WOOD, M.D., *Professor of Chemistry.*
FREDERICK C. SHATTUCK, M.D., *Jackson Professor of Clinical Medicine.*
EDWARD H. BRADFORD, M.D., *Assistant Professor of Orthopedics.*
T. M. ROTCH, M.D., *Professor of the Diseases of Children.*
FRANK H. DAVENPORT, *Assistant Professor of Gynaecology.*
WILLIAM B. HILLS, M.D., *Associate Professor of Chemistry.*
WILLIAM F. WHITNEY, M.D., *Curator of the Anatomical Museum.*
WILLIAM T. COUNCILMAN, M.D., *Shattuck Professor of Pathological Anatomy.*
CHARLES S. MINOT, S.D., *Professor of Histology and Human Embryology.*
MAURICE H. RICHARDSON, M.D., *Assistant Professor of Clinical Surgery.*
CHARLES M. GREEN, M.D., *Assistant Professor of Obstetrics.*
HERBERT L. BURRELL, M.D., *Assistant Professor of Clinical Surgery.*

HAROLD C. ERNST, M.D., *Professor of Bacteriology.*
CHARLES HARRINGTON, M.D., *Instructor in Materia Medica and Hygiene.*
WILLIAM T. PORTER, M.D., *Assistant Professor of Physiology.*
FRANKLIN DEXTER, M.D., *Assistant Professor of Anatomy.*

OTHER INSTRUCTORS.

THEODORE W. FISHER, M.D., *Lecturer on Mental Diseases.*
SAMUEL H. DURGIN, M.D., *Lecturer on Hygiene.*
HENRY P. QUINCY, M.D., *Instructor in Histology.*
JOHN H. McCOLLOM, M.D., *Assistant in Bacteriology.*
ABNER POST, M.D., *Instructor in Syphilis.*
ELBRIDGE G. CUTLER, M.D., *Instructor in the Theory and Practice of Physic.*
EDWARD M. BUCKINGHAM, M.D., *Instructor in Diseases of Children.*
ARTHUR T. CABOT, M.D., *Instructor in Genito-Urinary and Clinical Surgery.*
JOHN B. SWIFT, M.D., *Assistant in Gynaecology.*
WILLIAM W. GANNETT, M.D., *Instructor in Clinical Medicine.*
CHARLES F. WITHINGTON, M.D., *Instructor in Clinical Medicine.*
VINCENT Y. BOWDITCH, M.D., *Assistant in Clinical Medicine.*
SAMUEL J. MIXTER, M.D., *Instructor in Surgery, and Assistant in Operative Surgery.*
GEORGE H. MONKS, M.D., *Instructor in Clinical Surgery, and Assistant in Operative Surgery.*
MYLES STANDISH, M.D., *Assistant in Opthalmology.*
FRANCIS S. WATSON, M.D., *Instructor in Genito-Urinary Surgery.*
HERMAN F. VICKERY, M.D., *Instructor in Clinical Medicine.*
WILLIAM M. CONANT, M.D., *Instructor in Anatomy, and Assistant in Clinical and Operative Surgery.*
GEORGE HAVEN, M.D., *Instructor in Gynaecology and Assistant in Obstetrics.*
HENRY JACKSON, M.D., *Assistant in Clinical Medicine.*
GEORGE G. SEARS, M.D., *Assistant in Clinical Medicine.*
FREDERIC E. CHENEY, M.D., *Instructor in Ophthalmology.*
ROBERT W. LOVETT, M.D., *Assistant in Clinical Surgery.*
JOHN C. MUNRO, M.D., *Assistant in Clinical Surgery.*
FRANZ PFAFF, M.D., *Instructor in Pharmacology.*
EDWARD REYNOLDS, M.D., *Instructor in Obstetrics, and Assistant in Gynaecology.*

CHARLES W. TOWNSEND, M.D., *Assistant in Obstetrics.*

CHARLES L. SCUDDER, M.D., *Assistant in Clinical Operative Surgery.*

ARTHUR K. STONE, M.D., *Assistant in Bacteriology.*

BENJAMIN TENNEY, M.D., *Assistant in Anatomy.*

CHARLES P. WORCESTER, M.D., *Assistant in Chemistry, and Secretary of the Medical Faculty.*

ALFRED L. T. SCHAPER, M.D., *Demonstrator of Histology and Embryology.*

WILLIAM S. BRYANT, M.D., *Assistant in Otology.*

JAMES O. JORDAN, PH.G., *Assistant in Materia Medica.*

PAUL THORNDIKE, M.D., *Assistant in Clinical Surgery.*

EUGENE A. CROCKETT, M.D., *Assistant in Otology.*

EDWIN W. DWIGHT, M.D., *Assistant in Clinical Surgery.*

WILLIAM H. PRESCOTT, M.D., *Assistant in Pathology.*

FRANK B. MALLORY, M.D., *Instructor in Pathology.*

JOHN L. AMES, M.D., *Assistant in Histology.*

JOHN B. BLAKE, M.D., *Assistant in Anatomy.*

WILLIAM A. BROOKS, M.D., *Demonstrator of Anatomy.*

AUGUSTUS S. KNIGHT, M.D., *Assistant in Clinical Medicine.*

ARTHUR H. WENTWORTH, M.D., *Assistant in Diseases of Children.*

FRED B. LUND, M.D., *Assistant in Anatomy.*

CHARLES A. PORTER, M.D., *Assistant in Anatomy.*

EDWARD W. TAYLOR, M.D., *Assistant in Pathology.*

FBANK S. LOCKE, M.B., *Instructor in Physiology.*

EUGENE A. DARLING, M.D., *Assistant in Bacteriology.*

JAY B. OGDEN, M.D., *Assistant in Chemistry.*

JAMES H. WRIGHT, M.D., *Assistant in Pathology.*

FREDERICK S. DELUE, M.D., *Assistant in Histology.*

HENRY F. HEWES, M.D., *Assistant in Chemistry.*

The following gentlemen will give special clinical instruction: —

JOHN HOMANS, M.D., *in the Diagnosis and Treatment of Ovarian Tumors.*

EDWARD COWLES, M.D., LL.D., *in Mental Diseases.*

FRANCIS B. GREENOUGH, M.D., and ABNER POST, M.D., *in Syphilis.*

GEORGE W. GAY, M.D., *in Surgery.*

MORTON PRINCE, M.D., *in Diseases of the Nervous System.*

GEORGE L. WALTON, M.D., and PHILIP C. KNAPP, M.D., *in Diseases of the Nervous System.*

THOMAS A. DE BLOIS, M.D., JOHN W. FARLOW, M.D., and ALGERNON COOLIDGE, JR., M.D., *in Laryngology.*

STANDING COMMITTEES, 1895–96.

Office Hours: — Dean, Tu. and Fri. 12.15–1 p.m. Secretary, Mon. and Wed. 2–3 p.m.

Executive Committee. — The Dean (*Chairman*), and Drs. White, Bowditch, Bradford, and Shattuck.

Advertising and Catalogue. — Dr. Wood (*Chairman*), and Drs. Fitz and Whitney.

Admission Examinations. — Dr. Blake (*Chairman*), and Drs. Rotch, Hills, Whitney, Ernst, and Harrington.

Course of Study. — Dr. Fitz (*Chairman*), and Drs. Bowditch, Draper, Mason, Warren, W. L. Richardson, and Dwight.

Nominations. — Dr. Draper (*Chairman*), and Drs. J. O. Green, Shattuck, Councilman, and Burrell.

Building. — Dr. Wood (*Chairman*), and Drs. W. L. Richardson and Whitney.

Library. — Dr. Bowditch (*Chairman*), and Drs. Fitz, Dwight, Bradford, Hills, and Minot.

Graduate Courses. — Dr. Wadsworth (*Chairman*), and Drs. Bradford, Rotch, Burrell, and Dexter.

Summer Courses. — Dr. Draper (*Chairman*), and Drs. Fitz and M. H. Richardson.

Bullard Fellowships. — Dr. Bowditch (*Chairman*), and Drs. Dwight, Councilman, Wood, Minot, and Ernst.

Applications to Teach. — Dr. Bradford (*Chairman*), and Drs. Fitz and W. T. Porter.

STUDENTS.

IN COURSES FOR GRADUATES.

1894–95.*

Abbe, Alanson Joseph, A.B. 1881, A.M. 1885, M.D. 1885,	*Fall River.*
Boucher, Joseph Adelard, A.B. (*Laval Univ., Quebec*) 1888, M.D. (*Med. School Queen's Univ.*) 1884,	*Watertown.*
Baker, Lucius Willard, M.D. (*Univ. of the City of N. Y.*) 1880,	*Baldwinsville.*
Cousens, Nicholas William, M.D. (*Trinity Univ.*) 1891,	*Waltham.*
Canfield, Ralph Metcalf, M.D. (*Univ. of Vt.*) 1882,	*Stanstead, Que.*
Gardner, Edwin Fisher, M.D. 1875,	*Boston.*
Getchell, Albert Colby, A.B. (*Colby Univ.*) 1878, A.M. (*Ibid*) 1881, M.D. (*Jefferson Med. Coll.*) 1885,	*Worcester.*
Getchell, Stillman Perry, M.D. (*Berkshire Med. Coll.*) 1865,	*Malden.*
Goldthwaite, Seth Vale, M.D. (*Boston Univ.*) 1880,	*Boston.*
Graham, Douglas, M.D. (*Jefferson Med. Coll.*) 1873,	*Boston.*
Gay, Warren Fisher, A.B. 1890, M.D. 1893,	*Boston.*
Hammond, Charlotte Frances, M.D. (*Boston Univ.*) 1887,	*Boston.*
Harriman, Charles Henry, M.D. (*Dartmouth*) 1877,	*Whitinsville.*
Hopkins, Samuel Augustus, M.D. (*Coll. of Phys. & Surg., N. Y.*) 1880, D.D.S. (*N. Y. Coll. of Dentistry*) 1883,	*Boston.*
Humphrey, William Harper, A.M. (*N. C. Coll.*) 1875, M.D. (*Ohio Med. Coll.*) 1877,	*Yellow Springs, O.*
Jelly, Arthur Carlton, A.B. 1881, A.M., 1891, M.D. 1891,	*Boston.*
Jones, Charles David, A.B. (*Boston Univ.*) 1886, M.D. 1889,	*Malden.*

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* After the issue of the Catalogue.

Kelcher, Francis Joseph, A.B. (*Boston Coll.*) 1886, M.D. 1890,	*Boston.*
Kelley, Michael, A.M. (*Holy Cross*), M.D. (*Bellevue*),	*Fall River.*
Kingsbury, Albert Dexter, M.D. (*Georgetown Med. School*) 1869,	*Boston.*
Kittredge, Frank Everett, M.D. (*Univ. of Pa.*) 1885,	*Nashua, N. H.*
Lund, Fred Bates, A.B. 1888, A.M. 1892, M.D. 1892,	*Boston.*
McKenty, John Thomas Edmund, A.B. (*Ottawa Univ.*) 1888, M.D., C.M. (*McGill Univ.*) 1892,	*Waltham.*
Mangan, John Joseph, A.B. (*Holy Cross Coll.*) M.D. (*Coll. of Phys. & Surg.*)	*Lynn.*
Morrison, James, M.D. (*L. I. Coll. Hosp.*) 1890,	*Boston.*
Palmer, Sarah Ellen, M.D. (*Woman's Med. Coll. of Pa.*) 1880,	*Boston.*
Scudder, Charles Locke, B.A. (*Yale Univ.*) 1882, PH.B. (*Sheffield Scientific School*) 1883, M.D. 1888,	*Boston.*
Sawyer, Carleton, M.D. (*Univ. of Vt.*) 1883,	*Boston.*
Sharp, Walter Nevin, M.D. (*Univ. of Vt.*) 1885,	*Saxonville.*
Smith, Charles Morton, M.D. 1894,	*Boston.*
Smith, Dudley, M.D. (*Cleveland Univ. Med. & Surg.*) 1894,	*Boston.*
Smith, Herbert Llewellyn, A.B. (*Dartmouth*) 1882, M.D. 1887,	*Boston.*
Stanley, Josiah Murch, M.D. (*Med. Dept. Univ. of N. Y.*) 1884,	*Northboro'.*
Strout, Byron Howard, D.D.S. (*Boston Dental Coll.*) 1882,	*Taunton.*
Tatum, Rives, M.D. (*Va. Med. Coll.*) 1874,	*Boston.*
Tirrell, Vinson Meader, PH.G. (*Mass. Coll. Pharm.*) 1887, M.D. (*Coll. of Phys. & Surg., Boston*) 1892,	*So. Weymouth.*
White, Leon Edward, A.B. (*Dartmouth*) 1890, M.D. (*Dartmouth*) 1893,	*Roxbury.*
Whitehill, George Edward, B.L. (*Dartmouth*) 1886, M.D. (*Coll. of Phys. & Surg., Boston*) 1893,	*Everett.*

1895–96.

Amberg, Emil, M.D. (*Heidelberg Univ.*) 1894,	*Boston.*
Brown, Lendall Hall, M.D. (*Med. School of Me.*) 1895,	*So. Windham, Me.*
Church, Mary Violet, M.D. (*Kansas Med. Coll.*) 1894,	*Topeka, Kansas.*
Conant, Edgar Frank, A.B. (*Bowdoin Coll.*) 1890, M.D. (*Columbian Univ., Washington*) 1894,	*Lewiston, Me.*
*Dunham, Henry Bristol, PH.G. (*Mass. Coll. of Pharm.*) 1893, (*Tufts Med. Coll.*) 1894,	*Boston.*
Farnham, Edwin, A.B. 1866, M.D. (*Univ. of Pa.*) 1869,	*Cambridge.*
*Fontaine, Henri Theophile, M.D. 1894,	*Boston.*
Henderson, Charles Russell, M.D. (*Boston Univ.*) 1889,	*Reading.*
Jenny, Arthur Barker, M.D. (*Boston Univ.*) 1888,	*Stoneham.*
*MacDonnell, John, M.D. (*Coll. of Phys. & Surg., Boston*) 1894,	*Boston.*
Moulton, Charles Fred, A.B. (*Bowdoin Coll.*) 1887, A.M. (*Ibid.*) 1890, M.D. (*Dartmouth*) 1890,	*W. Roxbury.*
O'Leary, Joseph Augustus, M.D. (*Boston Univ.*) 1887,	*Wakefield.*
*Randall, Arthur Theodore, M.D. (*Northwestern Univ. Med. School*) 1895,	*Roxbury.*
Smith, Samuel Phinney, M.D. (*Maine Med. School*) 1882,	*Brunswick, Me.*
Webster, George Arthur, M.D. 1889,	*Boston.*
White, Leon Edward, A.B. (*Dartmouth*) 1890, M.D. (*Dartmouth Med. School*) 1893,	*Roxbury.*

FOURTH CLASS.

Anderson, Hyrum Andrew,	*Provo, Utah.*
Andrews, Edward Austin,	*Malden.*
Andrews, Harold Virgil,	*Lawrence.*
Barnes, Harry Aldrich,	*Somerville.*
Burke, Michael Francis, A.B. (*Boston Coll.*) 1892,	*Natick.*

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* Graduates taking full course tickets.

Carpenter, Dudley Newcomb,	*Portsmouth, N. H.*
Clap, Edmund Wright, A.B. 1892,	*Attleborough.*
Cooke, Henry Arnold, A.B. (*Amherst Coll.*) 1889,	*No. Brookfield.*
Crandell, Arthur Richmond, A.B. 1892,	*Taunton.*
Cross, William Patrick,	*So. Boston.*
Cummin, John White, A.B. 1892,	*Williamsport, Pa.*
Curry, Edmund Farnham,	*Winchester.*
Curry, Joseph James,	*Charlestown.*
Cusick, Thomas Francis,	*Taunton.*
Daniel, Vivian,	*E. Boston.*
Donnelly, Harry Albert,	*Boston.*
Dow, George Farwell, A.B. 1892,	*Reading.*
Eaton, Richard Gardner, A.B. (*Yale Univ.*) 1892,	*Wakefield.*
Ellsworth, Samuel Walker, A.B. 1893,	*Braintree.*
Fisher, James Tucker, M.D.V. 1894,	*Roxbury.*
Flint, Carleton Phillips,	*Boston.*
Freeman, George Franklin, A.B. (*Bowdoin Coll.*) 1890,	*Everett.*
Frost, Horace Bird, A.B. 1892,	*Belmont.*
Gallagher, William Howard,	*E. Boston.*
Goulding, Timothy Francis,	*Somerville.*
Greenough, Robert Battey, A.B. 1892,	*Cambridge.*
Hart, Michael Joseph,	*W. Fitchburg.*
Hawkins, Joseph Francis,	*Providence, R. I.*
Hickey, John Aloysius, A.B. (*Boston Coll.*) 1887,	*E. Boston.*
Hinckley, Donald Rose, A.B. (*Yale Univ.*) 1892,	*Northampton.*
Holland, Hubert Thomas,	*Jamaica Plain.*
Howland, Joseph Briggs,	*Brookline.*
Hubbard, Joshua Clapp, A.B. 1892,	*Boston.*
Johnson, Graham Dove,	*Boston.*
Jones, Daniel Fiske, A.B. 1892,	*Minneapolis, Minn.*
Knight, Charles Storer,	*Deering, Me.*
Landers, Maurice Joseph,	*Lowell.*
Langdon, Francis Eustis,	*Portsmouth, N. H.*
Lavallee, George Omer,	*Lowell.*
Loring, Robert Gardner, A.B. 1892,	*Boston.*
Loughran, James Francis,	*Lowell.*
Lyon, Frederick Dow, A.B. (*Tufts Coll.*) 1892,	*Poland, Me.*
McCarthy, Timothy Francis, A.B. (*Holy Cross Coll.*) 1892,	*E. Boston.*
McCauley, Albert Anthony, A.B. (*Holy Cross Coll.*) 1892,	*Springfield.*
McDermott, William Vincent,	*Peabody.*

McGillicuddy, Cornelius Joseph, A.B. (*Boston Coll.*) 1892,	*Boston.*
McGourty, James Eugene,	*Worcester.*
McIsaac, John Alexander, A.B. (*St. Francis Xavier Coll.*) 1892,	*Boston.*
McKeen, George Wilbert, S.B. (*Dalhousie Coll.*) 1892,	*Baddeck, N. S.*
McKeen, Sylvester Forshay,	*Cambridge.*
Mahon, James Arthur,	*Dorchester.*
Mains, Charles Frederick,	*Framingham.*
Mann, Arthur Teall, S.B. (*Univ. of Minn.*) 1888,	*Minneapolis, Minn.*
Maskell, Leonard Joseph, A.B. (*Holy Cross Coll.*) 1891,	*Newton.*
Morgan, William Edward,	*Dorchester.*
Mosher, Harris Peyton, A.B. 1892,	*Brookline.*
Newell, Franklin Spilman, A.B. 1892,	*Roxbury.*
Oakes, Fitz Albert,	*Gloucester.*
O'Connor, John Henry, A.B. (*Holy Cross Coll.*) 1892,	*No. Chelmsford.*
O'Sullivan, John Joseph,	*Lawrence.*
Page, George Thornton, A.B. 1892,	*Cambridgeport.*
Parker, Arthur Holmes,	*Everett.*
Perry, Arthur Reed, A.B. 1892,	*Attleborough.*
Perry, Henry Joseph, A.B. (*Tufts Coll.*) 1892,	*Cooperstown, N. Y.*
Pickard, Isaiah Lovell, A.B. (*Amherst Coll.*) 1891,	*Littleton.*
Pleadwell, Frank Lester,	*Taunton.*
Sanborn, John Wesley,	*Boston.*
Schwab, Sidney Isaac,	*St. Louis, Mo.*
Scudder, Gardiner Hubbard, A.B. 1892,	*Cambridge.*
Sears, Harry Edward, A.B. 1893,	*Boston.*
Shanahan, Thomas Joseph,	*Lawrence.*
Smith, William Henry, A.B. (*Brown Univ.*) 1892,	*Fall River.*
Strong, Lawrence Watson, A.B. 1892,	*Waban.*
Sullivan, Walter Green,	*Providence, R. I.*
Thorndike, William, A.B. 1892,	*Boston.*
Torrey, John Paine,	*Harvard.*
Vose, Robert Henry, A.B. (*Amherst Coll.*) 1892,	*Providence, R. I.*
Washburn, Frederic Augustus, Jr., A.B. (*Amherst Coll.*) 1892,	*New Bedford.*
Watkeys, Frederick William,	*Boston.*
Webber, Henry Allen,	*Winthrop.*

Woodbury, Frank Taylor,	*No. Weare, N. H.*
Worthington, Arthur Morton, S.B. (*Mass. Inst. of Tech.*) 1892,	*Dedham.*
Young, Ernest Boyen, A.B. (*Bowdoin Coll.*) 1892,	*Brunswick, Me.*

THIRD CLASS.

Adams, William Gray,	*Hyde Park.*
Allen, Seabury Wells, A.B. 1891,	*Boston.*
Badger, George Sherwin Clarke, A.B. (*Yale Univ.*) 1892, A.M. (*Ibid.*) 1894,	*Boston.*
Barton, John Alfred,	*Waltham.*
Barton, William Henry,	*Waltham.*
Blodgett, John Hammond,	*Boston.*
Briggs, Charles Edwin, A.B. (*Oberlin Coll.*) 1893,	*Calumet, Mich.*
Broughton, Arthur Nicholson, A.B. 1893,	*Jamaica Plain.*
Buffum, Herbert Edwin,	*Somerville.*
Burke, Ernest Gisborne, A.B. 1893,	*Quincy.*
Burrows, Fred Grant, A.B. (*Leland Stanford Jr. Univ.*) 1892, A.M. (*Ibid.*) 1893,	*Chualar, Cal.*
Butler, Charles Shorey, A.B. 1893,	*Boston.*
Catlin, Sanford Robinson, PH.B. (*Beloit Coll.*) 1893,	*Rockford, Ill.*
Chamberlain, Weston Percival, A.B. (*Bowdoin Coll.*) 1893,	*Bristol, Me.*
Chapman, Edwin Morton,	*Needham.*
Clough, Frank Herbert,	*Allston.*
Collin, Carl Oscar Louis,	*Boston.*
Costello, John Henry, Jr.	*Boston.*
Daly, Timothy Joseph,	*Lawrence.*
Davis, William Horace, A.B. 1893,	*Holyoke.*
Dean, Ralph Deniston,	*Taunton.*
Decker, William Nelson,	*Concord.*
Donlan, John Malachi,	*Fitchburg.*
Donoghue, James Crowley,	*Georgetown.*
Downey, William Henry, A.B. (*Amherst Coll.*) 1892,	*No. Brookfield.*
Dudley, Charles,	*Abington.*
Emery, George Edwin,	*Milford.*
Fitzgerald, Thomas Patrick, A.B. (*Boston Coll.*) 1893,	*Cambridge.*
Galloupe, Joseph Abbott,	*Beverly.*
Gilbert, Louis Whitmore, A.B. 1893,	*Cambridge.*

Guiler, Robert Workman,	*Boston.*
Handy, Harry Tucker,	*Marion.*
Hixon, Edwin Colfax,	*Denver, Col.*
Hogan, Joseph Ambrose,	*Lawrence.*
Hurd, Randolph Campbell,	*Newburyport.*
Jones, Frederick Ellis,	*Quincy.*
Kernan, William Everett,	*Wakefield.*
Larrabee, Ralph Clinton, A.B. 1893,	*Boston.*
Lecompte, Walter Augustus, A.B. 1893,	*Newton Centre.*
Lees, Rush Oliver,	*Plymouth, Pa.*
McCormick, Thomas Henry,	*Taunton.*
McMurtry, Charles Wood,	*Allegheny, Pa.*
Maguire, Charles Francis, A.B. (*Boston Coll.*) 1893,	*Somerville.*
Marcy, Henry Orlando, Jr., A.B. 1893,	*Boston.*
Maulhardt, Adolph Antone,	*Ventura, Cal.*
Metzger, Butler,	*Lynn,*
Montoya, José Maria,	*Bogota, Columbia, S. A.*
Moore, John Henry,	*Pittsfield, Ill.*
Moorehouse, George Wilton, L.B. (*Univ. of Wis.*) 1891, L.M. (*Ibid.*) 1893,	*Wauwatosa, Wis.*
Morrill, Sibley Gage,	*Concord, N. H.*
Newsome, Edgar Thomas,	*Roslindale.*
O'Neil, Richard Frothingham,	*Boston,*
Patten, Stephen Kerr,	*Boston.*
Pegram, John Combe, Jr., A.B. (*Brown Univ.*) 1892,	*Providence, R. I.*
Perley, Roscoe Damon,	*Ipswich.*
Pettee, John Harris,	*Roxbury.*
Reed, Victor Augustus,	*Roxbury.*
Richmond, Simon,	*Chelsea.*
Rothfuchs, Charles Christian,	*Boston.*
Rust, Frank Lee Drummond,	*Cambridge.*
Ryerson, Edwin Warner,	*Chicago, Ill.*
Shea, John Joseph,	*Salem.*
Smart, Frank Everard,	*Lawrence.*
Smyser, Charles James,	*Brookline.*
Spalding, Fred Maurice, A.B. 1893,	*Cambridge.*
Spooner, Henry Garrettson, A.B. 1894,	*Boston.*
Stack, Charles Francis, A.B. (*Boston Coll.*) 1893,	*Hyde Park.*
Stepp, Jacob, Jr.,	*Boston.*
Stetson, Frank Eliot, A.B. 1893,	*New Bedford.*
Stetson, Frederick Winslow, A.B. 1894,	*Duxbury.*

Stevens, Ralph Emerson,	*Marlboro'.*
Stubbs, Frank Raymond, A.B. 1893,	*Cambridgeport.*
Sturdivant, Guy Waldron,	*Roxbury.*
Sullivan, John Thomas, Jr.,	*Boston.*
Swain, Howard Townsend,	*Copake, N. Y.*
Walton, William Joseph, D.M.D. 1894,	*Dorchester.*
Weeks, William Joshua,	*New Bedford.*
Whiteside, George Shattuck,	*Boston.*
Williams, Harry Edwin,	*Newtonville.*
Willis, Charles Austin, PH.B. (*Tufts Coll.*) 1892,	*Waltham.*
Yost, John Dickson,	*San Francisco, Cal.*

SECOND CLASS.

Atkinson, Roger Trowbridge, A.B. 1894,	*Wakefield.*
Bacon, Theodore Spaulding, B.S. (*Boston Univ.*) 1894,	*Natick.*
Bailey, Walter Channing, A.B. 1894,	*E. Somerville.*
Bartlett, Samuel Danforth,	*Woburn.*
Beebe, Arthur Appleton, A.B. 1894,	*Boston.*
Binford, Ferdinand Augustus,	*Boston.*
Birge, Russell Hall, A.B. (*Brown Univ.*) 1894,	*Providence, R. I.*
Buck, Maurice Allan,	*No. Wilmington.*
Burns, Frederick Stanford,	*Boston.*
Bonney, Robert,	*Chelsea.*
Boodro, William Henry,	*So. Boston.*
Brown, Alphonso Bickford, A.B. (*Yale Univ.*) 1894,	*Dover, N. H.*
Cabot, Hugh, A.B. 1894,	*Boston.*
Cary, Foster Harrington,	*Boston.*
Churchill, Donald, A.B. 1893,	*Andover.*
Coburn, Horace Fordyce,	*Lowell.*
Collins, William James,	*Ware.*
Cottrell, Henry Joseph, A.B. (*Holy Cross Coll.*) 1894,	*Newport, R. I.*
Crandon, LeRoi Goddard, A.B. 1894,	*Malden.*
Crawford, Francis Xavier, A.B. (*Boston Coll.*) 1894,	*So. Boston.*
Cronin, Michael John,	*Haverhill.*
Cummings, Frederic Russell,	*Concord, N. H.*
Currier, William Eugene, A.B. (*Bowdoin Coll.*) 1894,	*Leicester.*
Cutler, Charles Newton,	*Chelsea.*
Davis, Lincoln, A.B. 1894,	*Boston.*
Dearborn, Sam Starrett, A.B. 1894,	*Nashua, N. H.*

Dodge, George Byron, A.B. (*Dartmouth Coll.*) 1893,	*Manchester*, *N. H.*
Donlan, Charles Edwin,	*Lowell.*
Donohoe, George,	*Dorchester.*
Dorgan, Joseph Aloysius,	*Lawrence.*
Dowd, Edward Francis, A.B. (*Georgetown Univ.*) 1894,	*So. Natick.*
Drake, Arthur Knowlton,	*Bristol*, *N. H.*
Dray, Frank Raymond, A.B. (*Leland Stanford Jr. Univ.*) 1895,	*Sacramento*, *Cal.*
Duckering, William West,	*Roxbury.*
Elliott, James William, Jr.	*Boston.*
Ellis, William Raymond,	*Somerville.*
Emerson, Ernest Benjamin,	*Everett.*
Everett, Eugene Ellsworth, A.B. (*Brown Univ.*) 1894,	*Providence*, *R. I.*
Fair, John Francis,	*Natick.*
Ferguson, Edward Hugh,	*So. Boston.*
Field, Harvey Adams,	*Quincy.*
Fischer, Oscar Edward,	*Salem*, *Mo.*
Fitzgerald, Maurice Edward, Jr.	*Boston.*
Forbes, Edwin Bannister,	*Lawrence.*
Forrest, Robert Francis,	*Watertown.*
Gallagher, Thomas Morton,	*Wellesley.*
Gavin, Joseph Leo,	*So. Boston.*
Gaylord, William Avery,	*Pawtucket*, *R. I.*
Germain, Harry Homer,	*Los Angeles*, *Cal.*
Gibbons, Sherwin, A.B. 1894,	*Boston.*
Griffin, Clifford Henry, A.B. (*Brown Univ.*) 1894,	*Providence*, *R. I.*
Grimes, James Henry,	*Boston.*
Haines, Ignatius,	*Cambridge.*
Halloran, Timothy Joseph, A.B. (*Holy Cross Coll.*) 1894,	*Lowell.*
Hamilton, Walter,	*Holyoke.*
Hancock, John Clifford,	*Dubuque*, *Ia.*
Hardy, Theodore Everett,	*Farmington*, *Me.*
Harris, Samuel Jacob, Jr.	*Williamsburg*, *Va.*
Hart, Joseph Storer,	*Lincoln.*
Hartnett, Edward Daniel,	*E. Boston.*
Hartwell, Harry Fairbanks, A.B. 1895,	*Boston.*
Harvey, William Wirt,	*Dorchester.*
Hatfield, Hugh Kerr,	*Boston.*
Hayes, Albert Edwin,	*Boston.*

Healy, Daniel Lawrence, A.B. (*Boston Coll.*) 1894,	*W. Newton.*
Hinchey, Richard,	*Lexington.*
Homan, John Milton,	*Roslindale.*
Howard, Eugene Henry, A.B. (*Holy Cross Coll.*) 1894,	*No. Brookfield.*
Howe, Walter Clarke, A.B. (*Amherst Coll.*) 1894,	*Dedham.*
Hudnut, Paul Albert,	*Needham.*
Huntington, Alfred Thomas,	*Chelsea.*
Hyde, Frederick Tanquary,	*Winchester, Va.*
Ingoldsby, Joseph Emmanuel,	*Boston.*
Johnson, David Joseph,	*Roxbury.*
Johnson, Walter Sydney, A.B. 1894,	*Minneapolis, Minn.*
Kahn, Maurice,	*Leadville, Col.*
Keate, Walter,	*St. George, Utah.*
Kennedy, Harris, A.B. 1894,	*Roxbury.*
Kepler, Charles Ober, A.B. (*Baldwin Univ.*) 1887, A.M. (*Ibid.*) 1890, S.T.B. (*Boston Univ.*) 1892,	*Boston.*
King, Myron Louis,	*Cambridge.*
Ladd, Maynard, A.B. 1894,	*Fishkill, N. Y.*
Leslie, Herbert Granville,	*Amesbury.*
Leonard, Edwin, Jr.	*Dover.*
Lippincott, Walter Maynard,	*Chicago, Ill.*
Logan, Francis Parker Tays,	*Boston.*
Low, Harry Chamberlain, A.B. 1893,	*Salem.*
McAllister, Fred Danforth, A.B. (*Amherst Coll.*) 1894,	*Lawrence.*
McEvoy, George Albert,	*Lawrence.*
Mackay, Edward Hart,	*Clinton.*
McKenna, James Charles,	*Charlestown.*
Mackie, William Charles, A.B. 1894,	*Boston.*
Magrath, George Burgess, A.B. 1894,	*Milton.*
Mahoney, Cornelius James,	*E. Providence, R. I.*
Maloney, William Valentine,	*Boston.*
Manix, Edward Tuck,	*Exeter, N. H.*
Mansur, Leon Wallace,	*Boston.*
Marston, Joseph Norris,	*Lowell.*
May, William Ropes, A.B. 1894,	*Philadelphia, Pa.*
Means, Philip Corydon,	*Merrimac.*
Merriam, Franklin Henry,	*Greenville, N. H.*
Miller, James,	*Boston.*
Moore, Francis, Jr.	*Charlestown.*

Moore, James Spencer, A.B. (*Brown Univ.*) 1894,	*E. Providence, R. I.*
Murphy, Stephen Nicholas,	*Danversport.*
Musgrave, Percy, A.B. 1894,	*New York, N. Y.*
O'Brien, Walter John Leo,	*So. Boston.*
O'Donnell, George Thomas,	*Marlboro'.*
Parker, Edward Graham,	*Auburndale.*
Parker, Maurice Wesley,	*Chicago, Ill.*
Paul, Luther Gordon,	*Newton Centre.*
Pearson, George Burton,	*Boston.*
Peirce, George Alphonso,	*Roxbury.*
Peirce, Frederic Joseph,	*Atlantic.*
Perry, Edgar, A.B. (*Brown Univ.*) A.M. (*Ibid.*) 1880,	*Boston.*
Pierce, George Burgess, A.B. 1893,	*Milton.*
Pike, Forrest Fay,	*Boston.*
Pillsbury, Frederick Ainsworth,	*Boston.*
Pinkham, Edward Warwick, A.B. 1892,	*Lynn.*
Provandie, Paul Hector,	*Melrose Highlands.*
Richardson, Oscar,	*Boston.*
Rideout, Herman Leslie,	*Highlands, N. C.*
Rose, William Henry,	*Worcester.*
Ross, Lucretius Henry, A.B. (*Middlebury Coll.*) 1890,	*Poultney, Vt.*
Rounds, Albert Waterman,	*Providence, R. I.*
Ryder, Charles Edward,	*So. Boston.*
Sands, Edward Parker,	*Boston.*
Sawyer, Edward Keyes,	*Somerville.*
Sayward, William Henry, Jr., S.B. (*Mass. Inst. Tech.*) 1894,	*Dorchester.*
Slate, Ames Wilsworth,	*Springfield.*
Small, Richard Dresser, A.B. 1894,	*Portland, Me.*
Soutter, Robert, A.B. 1894,	*New York, N. Y.*
Stone, Irving Elmer,	*Detroit, Mich.*
Sughrue, Dennis Francis,	*Dorchester.*
Sweet, John Henry, Jr.	*Newport, R. I.*
Thompson, Richard Henry, B.S. (*Worcester Polytech. Inst*). 1892,	*Brockton.*
Tilden, Irving Niles, S.B. 1894,	*New Bedford.*
Tobin, John Henry,	*Lawrence.*
Truesdale, Philemon Edwards,	*Fall River.*
Turner, Charles Humphrey, A.B. (*Williams Coll.*) 1881,	*Blackinton.*

Van Magness, Benjamin, Jr.	*Chelsea.*
Vinal, Harry Gardner,	*Wellesley.*
Walker, David Harold,	*Pittsburg, Pa.*
Ward, Parker Myles,	*Boston.*
Watson, Frank Gilman,	*Roxbury.*
Weil, Arthur Irving,	*Huntsville, Ala.*
Weis, Joseph Deutsch,	*New Orleans, La.*
Wennerberg, Francis Joseph,	*Boston.*
White, Michael William, A.B. (*Boston Coll.*) 1894,	*E. Weymouth.*
Williams, Hugh, A.B. 1894,	*Brookline.*
Willis, Dwight Fletcher, PH.B. (*Tufts Coll.*) 1892,	*Waltham.*
Woodbury, Herbert Elwell, B.S. (*Boston Univ.*) 1889,	*Gloucester.*
Woods, Frederick Adams,	*Brookline.*
Wormelle, Charles Burton,	*Brighton.*
York, Herbert Leroy,	*Dorchester.*
Zavala, Joaquin, Jr.	*Granada, Nicaragua, C.A.*

First Class.

Allen, Freeman, A.B. 1893,	*Boston.*
Austin, William Thomas,	*Boston.*
Bacon, Newton Samuel, A.B. 1895,	*Cambridge.*
Bailey, William Thomas, B.S. (*Dartmouth Coll.*) 1891,	*Nashua, N. H.*
Bangs, Dennis Milliken, A.B. (*Bowdoin Coll.*) 1891,	*Waterville, Me.*
Baker, Albert Sherburne, A.B. (*Amherst Coll.*) 1894,	*Boston.*
Barnes, James Arthur, A.B. (*Holy Cross Coll.*) 1895,	*Fitchburg.*
Beddall, Albert Richard,	*Chelsea.*
Bedell, Charles Ellsworth,	*Somerville.*
Beering, Frederic William, Jr.	*So. Boston.*
Berry, Martin Whitten, A.B. (*Williams Coll.*) 1895,	*Portland, Me.*
Bibber, Harold Thornton,	*Bath, Me.*
Blodgett, Charles Martin,	*Boston.*
Boutelle, Harry Clifton,	*Dorchester.*
Bowen, Alfred Preston,	*Lynn.*
Boyer, Joseph Napoleon, Jr.	*Springfield.*
Brennan, Joseph Thomas Louis,	*Lowell.*
Breneman, Henry Kendig,	*San Antonio, Texas.*

Brenneman, Richard Emmor,	*Congo*, *W. Va.*
Brock, Lawrence Ambrose, A.B. (*Boston Coll.*) 1895,	*Malden.*
Brown, Fred Phillips,	*Haverhill.*
Bryant, Fred, A.B. (*Colby Univ.*) 1895,	*Pittsfield*, *Me.*
Cadigan, John Joseph, A.B. (*Boston Coll.*) 1891, A.M. (*St. Francis Xavier Coll.*) 1892,	*Boston.*
Callahan, Joseph Thomas,	*Woburn.*
Carmody, William Francis, A.B. (*Holy Cross Coll.*) 1885,	*Worcester.*
Carroll, Thomas Francis,	*Roxbury.*
Cassidy, James Joseph,	*Lowell.*
Cleveland, Heber Howe,	*Somerville.*
Cliff, Alfred Addington,	*Boston.*
Costello, Israel Franklin,	*Lowell.*
Crane, Carl Custer,	*Melrose.*
Crosby, Walter Theodore, B.P. (*Brown Univ.*) 1895,	*Brockton.*
Crowell, George Marcus, A.B. (*Brown Univ.*) 1894,	*Providence*, *R. I.*
Davis, Edward Jackson, A.B. (*Fisk Univ.*) 1895,	*Sumter*, *S. C.*
Davis, George Adams,	*Worcester.*
Dean, Charles Edgar,	*Brockton.*
Dix, George Alfred,	*Cambridge.*
Dixon, Patrick Joseph Harkins, A.B. (*Holy Cross Coll.*) 1895,	*Holyoke.*
Dodge, Arthur Malcolm,	*Hampton Falls*, *N. H.*
Dowd, Francis Christopher,	*Somerville.*
Drummond, Edward Augustus,	*Brookline.*
Duncan, Samuel White, Jr., A.B. (*Brown Univ.*) 1895,	*Brookline.*
Easton, Elwood Tracy,	*Rockland.*
Elliot, John Seaver,	*Manchester*, *N. H.*
Emerson, William Robie Patten, A.B. (*Dartmouth Coll.*) 1892,	*Candia*, *N. H.*
Fiske, Charles Norman,	*Upton.*
Flanagan, William Francis, A.B. (*Manhattan Coll.*) 1895,	*Providence*, *R. I.*
Friedman, Leo Victor, A.B. 1895,	*Cambridge.*
Fulton, Dugald MacEachran,	*Cambridge.*
Gleason, Benjamin Whitney, B.L. (*Norwich Univ.*) 1892,	*Brookline.*
Geib, Frank Julius, A.B. 1895,	*Cambridge.*

Glidden, Howard Kenneth,	*Cambridge.*
Golden, Lazarus,	*Boston.*
Graves, William Phillips, A.B. (*Yale Coll.*) 1891,	*Andover.*
Gray, Hugh Barr,	*Boston.*
Greene, Daniel Crosby, Jr. A.B. 1895,	*Cambridge.*
Grimes, Jesse Rideout,	*Franconia, N. H.*
Hammond, William John,	*Quincy.*
Hanrahan, George Francis,	*Lawrence.*
Harvey, John Franklin, Jr.	*Boston.*
Haskins, Frank Henry, A.B. (*Williams Coll.*) 1893,	*Springfield.*
Hatch, Edward Sparhawk,	*Brighton.*
Hawes, Charles Sumner, A.B. 1893,	*Cambridge.*
Herrick, Timothy George,	*Newport, N. H.*
Hill, George Sumner,	*Boston.*
Holt, Frank Hammett, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Newport, R. I.*
Howard, Joseph Francis,	*Lawrence.*
Howard, Percy Briggs,	*Brookline.*
Hudson, Arthur Stanton,	*Newton.*
Jack, Lewis Harlow,	*Portland, Me.*
Jameson, Herbert Wendell, A.B. 1895,	*Jamaica Plain.*
Jefferson, Willis Grover,	*Norwood.*
Johnson, Harold Abbott, A.B. (*Williams Coll.*) 1895,	*Brookfield.*
Jouett, Fred Robert,	*Somerville.*
Kirgis, Adrien,	*So. Manchester, Conn.*
Knight, Herbert Granville,	*Malden.*
Lake, Frederick Williams,	*Omaha, Neb.*
Lane, George Andrew,	*Haverhill.*
Lane, Walter Appleton, A.B. (*Dartmouth Coll.*) 1895,	*Chicago, Ill.*
Latham, Benoni Moury,	*Smithfield, R. I.*
Lazarus, Benjamin,	*Boston.*
Leonard, Andrew Michael, A.B. (*Holy Cross Coll.*) 1895,	*Lawrence.*
Looney, William Dee,	*Salem.*
Manahan, Thomas James,	*Boston.*
MacDonald, William Clifford,	*Pictou, N. S.*
McAdams, Peter Stephens, A.B. 1895,	*Somerville.*
McAuslan, James Lewis,	*Marlboro.*
McCarthy, Frederick,	*Malden.*
McDermott, Joseph Edward,	*Charlestown.*

McDonald, Louis Francis,	*Halifax, N. S.*
McDonald, William Joseph, A.B. 1895,	*Charlestown.*
McGann, John Henry,	*Natick.*
McLaren, Alexander Lorne,	*E. Boston.*
McNamara, Thomas Francis, A.B. (*Holy Cross Coll.*) 1895,	*So. Framingham.*
Mellus, Edward,	*Worcester.*
Moore, Philip Patrick,	*Gloucester.*
Morgan, John Albert,	*Hyde Park.*
Moser, Albert, A.B. (*Oberlin Coll.*) 1892,	*Lima, O.*
Morris, John Joseph,	*E. Boston.*
Mullane, Joseph William,	*Brighton.*
Newton, Edward Roswell,	*Hartford, Conn.*
Neilsen, Edwin Björne,	*Montpelier, Vt.*
Nightingale, James,	*Boston.*
Nolan, William Francis,	*Jamaica Plain.*
O'Brien, Thomas James, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Somerville.*
Odiorne, Walter Burlingame, A.B. 1895,	*Cambridge.*
Osgood, Robert Bayley, A.B. (*Amherst Coll.*) 1895,	*Salem.*
O'Shea, Daniel Joseph,	*E. Boston.*
O'Shea, John Francis, A.B. (*Holy Cross Coll.*) 1895,	*Newport, R. I.*
Perault, Moses Joseph, Jr., A.B. (*Mt. St. Mary's Coll.*) 1895,	*Fitchburg.*
Perkins, Herbert Crawford,	*Lowell.*
Pierce, Charles Willard, A.B. (*Boston Univ.*) 1895,	*Ashland.*
Pillsbury, Borden Harlin, A.B. (*Dartmouth Coll.*) 1895,	*Lowell.*
Pope, Ernest Folger,	*Hudson.*
Pote, Leonard Holden,	*Somerville.*
Potter, Alexander Carleton, A.B. 1895,	*Boston.*
Prevâux, John Jacob,	*Amesbury.*
Pritchard, William Percival,	*Fall River.*
Reagh, Arthur Lincoln, S.B. 1894,	*W. Roxbury.*
Reilly, James Aloysius,	*So. Boston.*
Rice, Warren,	*Winchester, Va.*
Rood, Luther Colby,	*E. Boston.*
Ryder, George Hale, PH.B. (*Wesleyan Univ.*) 1895,	*Hartford, Conn.*
Sanborn, Fletcher Greene,	*Ashmont.*

Saunders, Joseph Henry, A.B. (*Tufts Coll.*) 1895,	*Everett.*
Schereschewsky, Joseph Williams, A.B. 1895,	*Boston.*
Schmidt, Frederick Sextus, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Boston.*
Seelye, Walter Clark, A.B. (*Amherst Coll.*) 1895,	*Boston.*
Shaw, Francis,	*New Bedford.*
Silbert, Joseph,	*Boston.*
Silver, David,	*Wellsville, O.*
Simmons, Channing Chamberlain,	*Boston.*
Simmons, Samuel Ewer, A.B. (*Leland Stanford, Jr. Univ.*) 1895,	*Sacramento, Cal.*
Skarstrom, William,	*Waverly.*
Smith, Howard Harry, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Boston.*
Smith, Richard Augustine, A.B. (*Boston Coll.*) 1894,	*Boston.*
Snow, Frederick Stedman, A.B. 1895,	*Jamaica Plain.*
Spalter, Charles Marsh,	*Keene, N. H.*
Spaulding, Charles Lester, A.B. (*Williams Coll.*) 1890,	*Townsend Harbor.*
Sproules, Joseph Aloysius, A.B. (*Georgetown Univ.*) 1895,	*Boston.*
Starkweather, Robert Parsons,	*Milwaukee, Wis.*
Stedman, Edward Hemenway, A.B. (*Amherst Coll.*) 1894,	*Jamaica Plain.*
Stevens, Allan Prescott, A.B. (*Brown Univ.*) 1895,	*Bristol, R. I.*
Sullivan, Joseph Lawrence,	*Dorchester.*
Sullivan, Patrick Eugene, A.B. (*Holy Cross Coll.*) 1895,	*Lowell.*
Swift, Henry Marshall, A.B. 1894,	*Marlboro.*
Taylor, John Danforth,	*E. Boston.*
Teague, Edward,	*Lowell.*
Thayer, Hartley Wales, A.B. (*Yale Univ.*) 1895,	*Holbrook.*
Thomas, John Willard, A.B. 1893,	*Cambridge*
Thomas, Miner Raymond, A.B. (*Amherst Coll.*) 1878,	*Boston.*
Thompson, Victor Veranus, A.B. (*Bowdoin Coll.*) 1890,	*Friendship, Me.*
Tileston, Wilder, A.B. 1895,	*Milton.*
Tupper, Arthur Gordon,	*Rockport.*
Tyler, Fred Sylvester, A.B. (*Yale Univ.*) 1895,	*Hammonton, N. J.*
Vogel, James Oswald,	*West Quincy.*

Wales, Ernest de Wolfe,	*Boston.*
Walling, Charles Harold, B.P. (*Brown Univ.*) 1895,	*Providence, R. I.*
Ward, William Greenleaf,	*Cambridgeport.*
Warden, Ralph Alexander,	*Boston.*
Warren, Alva Harding,	*Rockland.*
Waterman, George Arthur A.B. 1895,	*Malden.*
White, Herbert Augustus,	*Somerville.*
Whoriskey, John Joseph,	*Cambridge.*
Wilkins, Charles Downes,	*Peterboro, N. H.*
Wilkins, George Clarence,	*Manchester, N. H.*
Williams, Allen Hamilton, A.B. 1891,	*Fort Wayne, Ind.*
Wingersky, Abraham Samuel,	*Boston.*
Wood, Frank Lyon,	*Boston.*
Woodman, Julian Cushman, A.B. (*Bates Coll.*) 1894,	*Melrose.*
Worth, Edward Phillip, PH.G. (*Mass. Coll. of Pharm.*) 1895,	*Edgartown.*
Yardumian, Mamong Garabet,	*Boston.*

SUMMARY.

IN COURSES FOR GRADUATES, 1894–95 (to Oct. 20) . .	16
FOURTH CLASS	83
THIRD CLASS	81
SECOND CLASS	155
FIRST CLASS	172
TOTAL	507

THE MEDICAL SCHOOL.

REQUIREMENTS FOR ADMISSION.

All candidates for admission must (with the exceptions hereinafter stated) pass examinations in the following subjects:—

1. English.
2. Latin.
3. Physics.
4. Chemistry.
5. Either French or German.
6. Either Algebra, Plane Geometry, or Botany.

English. The candidate will be required to write a short composition on one of several subjects announced at the time of the examination. In 1896 the subjects will be drawn from one or more of the following works: Shakspere's Merchant of Venice, Milton's Comus and Lycidas, Longfellow's Evangeline, Webster's First Bunker Hill Oration.

Every candidate is expected to have read intelligently all the books prescribed. The English written by a candidate in any of his examination books will be regarded as part of his examination in English in case the evidence afforded by the examination book in English is insufficient. The candidate will also be required to correct specimens of bad English.

Latin. The translation at sight of simple Latin prose.

Physics. Either (1) Gage's Elements of Physics, or (2) a course of experiments, not less than forty in number, performed at school by the student. These must be selected from a list issued by the University under the title, "A Descriptive List of Elementary Physical Experiments," or must be approved by the department of Physics as the equivalent of those contained in this list. In (2) the written examination will test the candidate's knowledge of experiments and experimenting as well as his knowledge of principles and results. The candidate will be required to hand in the original note-book in which he recorded the steps and results of the experiments which he performed at school, and this note-book must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's work. The note-book in Physics should contain an index of the exercises which it describes.

Chemistry. Theoretical and descriptive (inorganic) Chemistry and qualitative analysis.

Each candidate will be required to hand in, at the hour of the written examination in Chemistry, the original note-book in which he recorded the work performed by him at school in qualitative analysis. This notebook must bear the endorsement of his teacher, certifying that the notes are a true record of the pupil's laboratory work.

When a candidate shall give evidence of having passed a satisfactory examination in any of the above requirements either at Harvard College or at the Lawrence Scientific School, a subsequent examination in such subject or subjects will not be demanded for his admission to the Medical School.

Candidates who present a degree in Letters, Science, or Medicine, from a recognized college or scientific school are exempt from all the above examinations, with the exception of Chemistry.*

Candidates, may be admitted conditionally in spite of deficiencies in some of these studies; **but, until these conditions are made up, no student will be permitted to take part in any exercises of the third class, or to present himself for examination in the subjects of that class.**

Students conditioned in Chemistry at the examination for admission will be furnished in the School, during the first year, with opportunities for making up this condition, but after the year 1895 a special fee of $20 will be charged for this course.

The examinations will be held at the Medical School (688 Boylston St., Boston), and will be conducted in writing; specimens of the papers used will be found in the Catalogue to be obtained of the Dean. In judging the work of the candidate, the spelling, grammar, and construction will be considered.

The examinations for admission are held on the Thursday following the last Wednesday in June, and on the Monday preceding the last Wednesday in September, beginning at 10 A.M.

In 1896 the *examinations for admission* will ALSO be held at the following places, beginning at 8 A.M. on Thursday, June 27: —

In *Quincy*, in the rooms of the Adams Academy; in *Andover*, in the rooms of the Phillips Academy; in *Groton*, in the rooms of the Groton School; in *Southborough*, in the rooms of St. Mark's School; in *Worcester*, in Curtis Hall, the Young Men's Christian Association building, Elm Street; in *Exeter*, *N. H.*, in the rooms of Phillips Exeter Academy; in *Concord*, *N. H.*, in the rooms of St. Paul's School; in *Portland*, *Me.*, in the rooms of the Portland High School; in *Lakeville*, *Conn.*, in the rooms of the Hotchkiss School; in *New York*, *N. Y.*, in the lecture-room of the Young Men's Christian Association, 23d Street, corner of Fourth Avenue; in *Albany*, *N. Y.*, in the rooms of the Young Men's Christian Association; in

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* The Summer Courses of Instruction in the fundamental principles of Chemistry and in Qualitative Analysis, given at Harvard College, and the Summer Course in General Chemistry and Qualitative Analysis given at the Medical School are adapted to students about to enter the Medical School.

Buffalo, *N. Y.*, in the High School building, corner of Court and Franklin Streets; in *Philadelphia*, *Pa.*, in the rooms of the Young Men's Christian Association building, corner of 15th and Chestnut Streets; in *Washington*, *D. C.*, in the rooms of the Young Men's Christian Association; in *Cleveland*, *O.*, in the Central High School building; in *Cincinnati*, *O.*, in the rooms of the Law School, College Building, Walnut Street; in *Chicago*, *Ill.*, in the rooms of the Chicago Athenaeum, VanBuren Street; in *Minneapolis*, *Minn.*, in the lecture-room of the Public Library building; in *St. Louis*, *Mo.*, in the Board of Education building, corner of Ninth and Locust Streets; in *Omaha*, *Neb.;* in *Denver*, *Col.*, in the rooms of the Denver High School (District No. 1), corner of Nineteenth and Stout Streets; in *San Francisco*, *Cal.*, in the rooms of the Mechanics' Institute, 31 Post Street; in *Belmont*, *Cal.*, in the rooms of the Belmont School; in *Portland*, *Oregon;* in *Bonn*, *Germany*, at the Hotel Kley.

METHODS OF INSTRUCTION.

The following methods of instruction are adopted in the several departments: —

Anatomy. — Lectures; various practical exercises, including abundant dissection, under the direction of the Demonstrator; recitations and demonstrations. In the first year there is a recitation at the beginning of the week on the subject-matter of the lectures of the preceding week. The means and methods of illustrating the anatomical lectures are probably unrivalled in this country. In the second year much use is made of frozen sections and of the living model.

Histology and Embryology. — Lectures and laboratory work. Every student is recommended to purchase a microscope, but microscopes are provided for those whose means do not enable them to buy one, for the sum of $3 for each term. Accommodations are furnished for those students who wish to pursue special or advanced courses. Special facilities are offered for original investigators. A special course in vertebrate embryology is given. This course has been accepted by the Faculty of Arts and Sciences, and is open to students of the academic departments.

Physiology. — Lectures, recitations, conferences, and demonstrations and practical work in the laboratory. To properly qualified students opportunities are given for original investigations in the laboratory.

Chemistry is taught mainly by practical work in the laboratory, each student having his own desk and apparatus. The first year, Medical Chemistry is taught by lectures, recitations, and exercises in the Laboratory, where each student will be taught Physiological Chemistry, the chemistry and microscopy of the urine and the tests for the important poisons. During the second year the instruction will be chiefly clinical in

DIVISION OF STUDIES.

For the First Year.	For the Second Year.	For the Third Year.	For the Fourth Year.	Electives.
Anatomy. 2	*Anatomy.* 2	*Theory & Practice.* 3	*Clinical Medicine.* 3	Ophthalmology. 2
Physiology. 3	*Pathology* and *Path. Anatomy.* 3	*Surgery.* 2	*Clinical Surgery.* 2	Otology. 2
Histol, & Embryol. 1	*Clinical Chemistry.* 2	*Obstetrics.* 3	*Ophthalmology.* 1	Orthopaedics. 2
Medical Chemistry. 1½	*Materia Medica* and *Therapeutics.* 2	*Pediatrics.* 2	*Otology.* 1	Gynaecology. 2
Bacteriology, 1	Theory and Practice.	*Dermatology.* 1	*Laryngology.* 1	Dermatology. 2
Hygiene.	Clinical Medicine.	*Neurology.* 1	*Orthopedics.* 1	Neurology. 2
	Surg. & Clin. Surg.	*Gynaecology.* 1	*Legal Medicine.* 1	Bacteriology. 1
		Mental Diseases. 1	*Syphilis.* 1	Physiology. 1
		Clinical Medicine.	Clinical Microscopy.	Chemistry. 1
		Clinical Surgery.	Genito-urinary Surg.	Hygiene. 1
			Ovarian Tumors.	Oper. Surgery. 1
			Mental Diseases.	Oper. Obstetrics. 1
			Municipal Sanitation.	
			Cookery.	

Note: — Subjects in which an examination is required are in italics. The number following name of examination indicates the length in hours of the examination. In the Fourth year, electives must be chosen whose examinations shall aggregate three hours.

character, the student being taught the diagnosis of kidney and other diseases by examination of the urine, and clinical toxicology. Instruction will also be given in the examination of blood and other stains, and of pathological concretions and fluids.

Pathology and Pathological Anatomy are taught by lectures, recitations, and practical instruction in pathological histology. Recently a considerable addition to the School building has been made for the use of this department. The basement is fitted up for the care of animals and for the storage of material. The first story contains the bacteriological laboratories. On the second floor are the rooms for the officers of instruction and for special students in pathological anatomy and histology. In the third story is the class-room for recitations and demonstrations, and for instruction in pathological histology. The collection of the Warren Anatomical Museum is used to illustrate the lectures, and morbid specimens in a fresh state are shown at the demonstrations. The lectures on pathology are mainly given on general pathology including the various processes of disease, the condition and laws under which they are produced, and the effects which they exert on the functions of the body. In the demonstrations the appearances of diseased organs are studied, and the various changes which have taken place in them are described. The instruction in pathological histology is continued throughout the year. In this course the finer changes in the tissues are studied and the manner in which they are produced is explained. Both in this course and in the demonstrations particular attention is paid to the diagnosis of tumors. Each student, provided with a microscope, the necessary instruments and reagents, prepares the various objects and submits them for examination and criticism. The students are invited to be present at post mortem examinations, the method of conducting them is explained, and the students themselves are allowed to perform them. Every encouragement is given to the students to carry on individual work in the pathological laboratory. All the facilities for work are provided and subjects for original investigation will be assigned to those who have shown themselves capable. Only those students will be allowed to work individually in the laboratory who have shown by their work in the first two years of their study, that they are both diligent and capable. Microscopes will be provided those students whose means will not permit the purchase of an instrument.

Therapeutics and Materia Medica.—Therapeutics and Materia Medica are taught by lectures and recitations with exhibition of medicines and pharmaceutical processes and demonstrations of the physiological action of drugs. Besides the large and complete cabinet of materia medica in the Museum, a collection of officinal drugs and chemicals, and of all the important preparations is placed where it can be seen by the students at any time.

The course of lectures in this subject is supplemented by a course in practical pharmacy in which the compounding of prescriptions is illustrated.

In addition to the course of lectures on Therapeutics, the practical relation of remedies to diseased conditions is also particularly dwelt upon in the lectures and other exercises in the department of Clinical Medicine.

Experimental Pharmacology and Therapeutics. — A special laboratory has been equipped for original research in these subjects. Here an opportunity is offered for practical training and instruction in the methods and use of the special apparatus employed in determining the toxic and physiological action of drugs and their practical value as remedies. This is open to a limited number of duly qualified undergraduates.

The Theory and Practice of Medicine. — At the Medical School lectures on selected subjects are given to the third class, and systematic recitations on the general subject are held for the second class. Clinical lectures on the practice of medicine are given to the third class, and demonstration exercises to the second class at the Massachusetts General Hospital.

Clinical Medicine. — Daily instruction is given in this department by clinical lectures, hospital visits, and other exercises. The teaching for the second, third and fourth years is graded and separate for each year, except that students of the fourth class are allowed to attend the clinical lectures given for the third class if they wish.

In the first half of the *second* year Auscultation and Percussion is taught in small divisions, each student having two exercises a week for four months. In the second half-year ward visits, also in small divisions, take the place of Auscultation and Percussion.

Throughout the year twice a week the class as a whole has clinical instruction in case-taking, diagnostic methods and diagnosis.

In the *third* year the teaching is more advanced, includes therapeutics, and comprises four clinical exercises a week in the amphitheatre and hospital wards. During the year, so large is the amount of material at disposal, a wide range of diseases is practically illustrated, and many even of the rarer affections are shown by several examples.

In the *fourth* year two clinics a week are held for the whole class, and special attention is given to Clinical Therapeutics.

The Clinical Conference comes in this year. A case is assigned each student, who is required to work it up thoroughly and write out in full the history, physical examination, differential diagnosis and treatment. From these cases selections are made, and one is read weekly before the class and the teachers in the department. A full discussion is encouraged. It is also required that dispensary cases be taken by each student, who shall watch the cases, guide their treatment, and write brief reports upon them. This work is under the supervision of one of the assistants in the department.

Surgery. — Instruction is given by systematic lectures, recitations, demonstrations at clinics, and laboratory exercises. There are two recitations a week throughout the year for the second class. These exercises are given partly at the Medical School and partly at the Hospital.

In the second year exercises are given also in the laboratory on the application of surgical apparatus and bandaging. The mechanical treatment of each variety of fracture is illustrated and the student himself applies the apparatus. The different forms of bandages, including all fixed protective dressings, in which silicate of potash, dextrine and plaster of Paris are employed, are applied by each student under critical supervision. The apparatus used in the preparation of surgical dressings is explained in detail.

A laboratory course is also given on the use of all kinds of surgical instruments, and their application is demonstrated upon the living subject and upon anesthetized animals.

Two systematic lectures a week are given throughout the year, at the Medical School, to the third class, and one lecture a week, with clinical demonstrations, at the Hospital.

Instruction is given to the Fourth Class in Orthopedic Surgery by lectures at the School and at the Children's Hospital with Clinical quizzes to small sections.

An Elective Course of clinical exercises is also given in this subject at the Children's Hospital.

Ample opportunity is given for the study of Surgical Anatomy and Minor Surgery, and to see all kinds of surgical operations.

Clinical Surgery. — Instruction in Clinical Surgery is given at the Massachusetts General Hospital and City Hospital, to the Third Class, as follows: —

One clinical conference, two visits in the hospital wards, and two public operating days.

The surgical clinical conference is an exercise at which a student of the third class presents an elaborate and carefully prepared paper on a surgical case in the hospital wards, which has been assigned him. This paper he is obliged to read in the amphitheatre of the Hospital before the whole class, and defend it from their criticism. At the close of the exercise the Professor of Clinical Surgery gives a résumé of the case and his opinions upon it. The students of the second class attend these exercises preparatory to their active participation in them in their third year.

The third class is divided into small sections, and daily clinics are given to them in the out-patient department of the Massachusetts

General Hospital and the City Hospital, in which the students are brought into personal contact with the patients, have practical exercises in the application of bandages and apparatus, and see a large number of cases of minor surgery, and fractures and dislocations above the waist.

Operative Surgery. — A course illustrating all the classic and many of the modern operations in surgery is given by the Professor of Clinical Surgery to the third and fourth classes. These operations are repeated on the cadaver by the students under the direct supervision of the Professor and a corps of assistants.

Obstetrics. — Instruction in this department is given by lectures, recitations, conferences, and clinical teaching. Students are required to take charge of at least six cases of labor, to receive clinical instruction on at least one of them, to care for their patients during the convalescence, and to make full written reports of the cases; many of these reports are read at the conferences and discussed by the class and the instructors. A course on operative obstetrics, with practical illustrations on the cadaver and manikin, is given during the second half-year.

Gynaecology. — Instruction in this department extends throughout the third and fourth years. During the third year there are lectures and recitations, and opportunities for clinical instruction at the City Hospital and Boston Dispensary. The large out-patient clinics of these institutions are utilized to accustom the student to the methods of examination, the perfection of diagnosis, and the simpler forms of treatment.

The instruction in the fourth year is more advanced. Clinical and operative instruction is given in the wards of the City Hospital. Cases are assigned to the students for personal examination, which are reported in full at the Clinical Conference, and are made the subject of discussion by members of the class and the instructors. An operative course on the cadaver or manikin gives the students an opportunity to perform minor operations, and to become familiar with the use of instruments.

Diseases of Children. — The instruction in this department consists of a systematic course of didactic and clinical lectures, recitations and conferences. Opportunities are also given for seeing cases in their homes in the Dispensary districts.

Ophthalmology. — Lectures and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary, Boston City Hospital, and Massachusetts General Hospital.

Dermatology. — A sytematic and clinical course is given. The special out-patient department at the Massachusetts General Hospital furnishes ample means for illustration.

Syphilis. — Lectures and clinical instruction.

Otology. — Lectures and clinical instruction at the Massachusetts Charitable Eye and Ear Infirmary, and at the Boston City Hospital.

Diseases of the Throat and Nose. — Instruction in this department consists of lectures, demonstrations, and practical training in the use of instruments. The class is divided into small sections, and the practical work is conducted in the clinics at the Massachusetts General Hospital, the Boston City Hospital, and the Boston Dispensary.

Diseases of the Nervous System. — Instruction in this branch is under the charge of a special department, fully organized and equipped for dealing adequately with the subject. During the third year a weekly lecture will be given at the Massachusetts General Hospital, illustrated by cases from the large and excellent out-patient service, and from the medical and surgical wards of the hospital. In addition to this the students will be given opportunity of studying cases outside the lecture hours, and reporting upon them. In the fourth year each student may have three hours of instruction a week, directed by the head of the department, and by three special clinical instructors, and during this course they will have access to the material furnished by the City Hospital as well as that afforded by the Massachusetts General Hospital.

It is the intention of the School to bring each student into as close contact as possible with the patients on the one hand and the instructors on the other.

Attention is also called to the fact that special instruction in the pathological anatomy of the nervous system is given during the second year.

Legal Medicine. — Lectures and practice in medico-legal autopsies.

Hygiene. — Lectures and demonstrations.

Bacteriology. — The instruction in Bacteriology during the first year consists of lectures and practical laboratory work. The lectures treat of the general subject and of methods of practical work.

In the laboratory, each student becomes familiar with the simple methods of manipulation and staining which are of special clinical use. The elective course in the fourth year is mainly practical and opportunities for special investigation will be offered such students as can spend the necessary time in the laboratory.

TEXT-BOOKS.

The following works are recommended as text-books, and for collateral reading and consultation : —

ANATOMY.

Text-Books. — Gray (11th edition). Morris. Quain (10th edition). Wilson. Holden's Landmarks. Dwight's Frozen sections of a Child. Treves' Applied Anatomy. Dexter's Anatomy of the Peritoneum.

Collateral Reading. — Harrison Allen's Anatomy. Tillaux, Anatomie topographique. Holden's Osteology. Humphry's Human Skeleton. Morris, on the Joints. Weisse's Practical Human Anatomy. McClellan's Regional Anatomy.

HISTOLOGY AND EMBRYOLOGY.

Text-Books. — Stöhr's Lehrbuch der Histologie, Piersol's Histology, or Schaefer's Essentials of Histology.

Collateral Reading. — Quain's Anatomy (10th edition). Lee's microscopist's Vade-mecum, Schiefferdecker and Kossel's Gewebelehre. Minot's Human Embryology. Marshall's Vertebrate Embryology.

PHYSIOLOGY.

Text-Books. — Foster's Text-book of Physiology. Kirke's Handbook of Physiology. Waller, Human Physiology.

Collateral Reading. — Hermann's Lehrbuch der Physiologie. Fick, Compendium der Physiologie. Halliburton's Text-book of Chemical Physiology and Pathology. McGregor-Robertson's Elements of Physiological Physics. Landois' Manual of Human Physiology. Stirling's Practical Physiology. Gamgee, Physiological Chemistry of the Animal Body.

MEDICAL CHEMISTRY.

Text-Books. — Tyson, Practical Examination of Urine. Wharton and Stillé's Medical Jurisprudence, Vol. II., on Poisons, (4th edition).

Collateral Reading. — Ultzmann and Hoffmann's Atlas der Harnsedimente. Roberts' Urinary and Renal Diseases. Purdy's Practical Uranalysis and Urinary Diagnosis. Neubauer and Vogel, Analysis of the Urine. Hoppe-Seyler, Physiologische Chemie. Taylor on Poisons. Wormley's Micro-Chemistry of Poisons. Halliburton's Essentials of Chemical Physiology. Lea's Chemical Basis of the Animal Body (appendix to Foster's Text-book of Physiology). Hammarsten's Physiological Chemistry.

THERAPEUTICS AND MATERIA MEDICA.

Text-Books. — Hare's Practical Therapeutics. White's Materia Medica and Therapeutics. National Dispensatory.

Collateral Reading. — H. C. Wood's Therapeutics. Brunton's Pharmacology, Therapeutics, and Materia Medica.

PATHOLOGY AND PATHOLOGICAL ANATOMY.

Text-Books. — Ziegler's Pathological Anatomy and Pathogenesis, (translation of latest edition). Woodhead's Practical Pathology. Orth's Compend of Diagnosis in Pathological Anatomy.

Collateral Reading. — Friedlaender's Use of the Microscope in Clinical and Pathological Examinations. Cohnheim's Lectures on General Pathology.

OBSTETRICS.

Text-Books. — Lusk's Manual of Midwifery.

Collateral Reading. — Reynold's Practical Midwifery. Schroeder's Manual of Midwifery. Winckel's Diseases of Childbed. Schauta's Grundriss der operativen Geburtshilfe. Kucher's Puerperal Convalescence.

THEORY AND PRACTICE.

Text-Books. — Osler's Practice of Medicine. Strümpell's Text-Book of Medicine. Pepper's Text-Book of the Theory and Practice of Medicine by American Teachers.

Collateral Reading. — Pepper's System of Practical Medicine by American authors. Eulenburg's Real-Encyclopädie der gesammten Heilkunde, 2te aufl.

CLINICAL MEDICINE.

Text Books. — Strümpell's Text-Book of Medicine. Osler's Practice of Medicine. Flint's Practice of Medicine. DaCosta's Medical Diagnosis. Musser's Medical Diagnosis. Flint's Manual of Percussion and Auscultation. Tyson's Physical Diagnosis.

Collateral Reading. — Pepper's System of Practical Medicine by American Authors. Pepper's American Text-books of the Theory and Practice of Medicine. Fagge's Practice of Medicine. Gowers' Diseases of the Nervous System. Cutler and Garland's Percussion Outlines.

SURGERY.

Text-Books. — An American Text-Book of Surgery. Warren's Surgical Pathology.

Collateral Reading. — Dennis' System of Surgery. Greig Smith's Abdominal Surgery. Stephen Smith's Operative Surgery. Morrow's System of Genito-Urinary Diseases. Treve's Manual of Surgery. DaCosta's Manual of Modern Surgery.

GYNAECOLOGY.

Text-Books. — Garrigue's Diseases of Women.

Collateral Reading. — Keating and Coe's Clinical Gynaecology. Thomas and Mundé's Diseases of Women. Skene's Diseases of Women. Davenport on Diseases of Women. Pozzi's Treatise on Gynaecology (American edition). Winckel's Diseases of Women. Emmet's Principles and Practice.

PEDIATRICS.

Text-Book. — Rotch's Pediatrics.

Collateral Reading. — Keating's Cyclopaedia of the Diseases of Children.

OPHTHALMOLOGY.

Text-Books. — Nettleship, Fuchs, Swanzy, Williams.

Collateral reading. — Loring, on the Ophthalmoscope. Landolt, on Refraction and Accommodation. Noyes. Norris and Oliver.

OTOLOGY.

Text-Books. — Politzer, Dalton's edition. Hovell. Roosa. Burnett.

Collateral Reading. — Politzer, Diseases of the Ear. Schwartze, Handbuch der Ohrenheilkunde. Buck's Manual of Diseases of the Ear.

DERMATOLOGY.

Collateral Reading. — Duhring, Hyde, Robinson, Crocker, Kaposi, Behrend, v. Ziemssen, Besnier, Brocq.

NEUROLOGY.

Text-Books. — Gowers' Diseases of the Nervous System. Dana's Text-Book of Nervous Diseases. Hirt's Diseases of the Nervous System. Gray's Mental and Nervous Diseases. Herter's Manual of Diagnosis of Nervous Diseases.

LEGAL MEDICINE.

Text-Books. — Taylor's Manual of Medical Jurisprudence.

Collateral Reading. — Ogston, Mann, Hofmann, Witthaus and Becker.

INSTRUCTION FOR 1895-96.

Anatomy.

Descriptive Anatomy. *Four times a week till Christmas.* Professor DWIGHT. *Twice a week till April.* Assistant Professor DEXTER. Recitations. *Once a week.* Dr. CONANT.

Practical Anatomy, with exercises in Dissection. *Eight hours daily from October 15th till May.* Demonstrations. Drs. BROOKS, C. A. PORTER, TENNEY, LUND, and J. B. BLAKE.

Topographical and Advanced Anatomy. *Three times a week.* Professor DWIGHT and Assistant Professor DEXTER.

Histology and Embryology.

Histology. — Lectures. *Twice a week during the first half-year.* Professor Minot. Laboratory exercises. *Twice a week during the first half-year.* Professor MINOT, Drs. QUINCY, SCHAPER, AMES, and DELUE.

Embryology. — Lectures. *Once a week during the second half-year.* Professor Minot. Laboratory exercises. *Twice a week during the second half-year.* Professor Minot, Drs. Quincy, Schaper, Ames, and DeLue.

Bacteriology.

Eighteen lectures in second half-year. Asst. Professor Ernst.

Practical laboratory work. *Eighteen hours for each student in the second half-year.* Professor Ernst.

Advanced Bacteriology. Fourth year elective. Lectures and laboratory work. *Six times a week during first term.*

Physiology.

Systematic and Experimental Physiology. *Four times a week during first half-year. Six times a week during second half-year.* Professors Bowditch and W. T. Porter.

Laboratory exercises in Experimental Physiology. *Four times a week in sections.* Assistant Professor Porter.

Advanced Physiology. Fourth year elective. *Twice a week.* Professors Bowditch and Porter.

Chemistry.

Medical Chemistry. *Once a week during the first half-year. Twice a week during second half-year.* Professor Hills.

Clinical Chemistry. *Twice a week.* Professor Wood

Advanced Chemistry. Fourth year elective. *Twice a week.* Professor Wood.

Practical exercises in the laboratory. *Daily.* Professors Wood and Hills, and Drs. Ogden and Hewes.

Hygiene.

First Year. Lectures and Demonstrations. *Once a week during the second half-year.* Dr. Harrington.

Fourth Year Elective. *Once a week during first half-year.* Dr. Harrington.

Therapeutics and Materia Medica.

Lectures and recitations. *Twice a week.* Dr. Harrington.

Demonstrations. *Once a week during half the year.* Dr. Pfaff.

Voluntary laboratory work. Dr. Harrington and Mr. Jordan.

Pathology and Pathological Anatomy.

General Pathology and Pathological Anatomy. *Twice a week.* Professor Councilman.

Special Pathological Anatomy, with demonstrations. *Twice a week.* Professor Councilman.

Laboratory exercises in Pathological Histology. *Twice a week.* Drs. Mallory, Prescott, and Wright.

Practical instruction in performing Autopsies. *Throughout the year.* Professor Councilman and Drs. Whitney and Mallory.

Surgery.

Surgery and Surgical Pathology. *Three times a week at the School and at the Hospital throughout the year.* Professor Warren.

Recitations. *Twice a week.* Asst. Professor Burrell and Dr. Cabot.

Application of Bandages and Apparatus. *Laboratory exercises to the class in sections during first half-year.* Dr. Scudder.

Use of Instruments. *Laboratory exercises to the class in sections during the second half-year.* Drs. Mixter and C. A. Porter.

Orthopedic Surgery.

Required Course Lectures. *Once a week for four months.* Medical School and Children's Hospital.

Clinical quizzes. *Three times a week in sections.*

Elective Course. Clinical exercises. *Three times a week for four months.*

Clinical Surgery.

Lectures. *Once a week till January.* Professor Cheever. *Once a week from October till March.* Professor Porter. *Once a week from March till June.* Asst. Professor M. H. Richardson.

SECOND CLASS.

Clinical Surgery Conference. *Once a week, from October till May.* Professor Porter.

Clinical visits, *in sections of half the class*, *once a week throughout the year*, at the Massachusetts General Hospital, by Professors Porter and Warren, Assistant Professor M. H. Richardson, and Drs. Beach, Homans, and Cabot. — At the Boston City Hospital, by Assistant Professor Burrell, and Drs. Gay, Bolles, Post, Gavin, Watson, and Monks.

THIRD CLASS.

In small sections daily in the Out-Patient Departments of the Massachusetts General Hospital, by Drs. Conant and Scudder. — At Boston City Hospital, by Drs. Lovett, Munro, P. Thorndike, and E. W. Dwight.

Clinical visits, *in sections of half the class*, *once a week throughout the year*, at the Massachusetts General Hospital and Boston City Hospital.

FOURTH CLASS.

Lectures. *Twice a week.* Visits. *Twice a week.* Operations. *Twice a week.* Surgical Diagnosis. *Once a week.* Surgical Emergencies. *Every evening in small sections.*

OPERATIVE SURGERY.

Operations are performed before the students one day each week throughout the year in the Amphitheatres at the Massachusetts General Hospital and Boston City Hospital.

Operative Surgery and Surgical Anatomy. *Exercises illustrated upon the cadaver twice a week in November and December.* Professor PORTER.

Operative Surgery. *Fifteen practical exercises by the students of the Fourth Class*, under the direction of Professors PORTER and BURRELL, assisted by Drs. MIXTER, MONKS, SCUDDER, BROOKS, and C. A. PORTER.

The surgical cases at the Eye and Ear Infirmary and at the Boston Dispensary are shown by the surgeons in charge.

Dermatology.

THIRD CLASS.

Diseases of the Skin. *Once a week.* Professor WHITE.
Clinical Dermatology. *Once a week.* Professor WHITE.

FOURTH CLASS.

Clinical Dermatology. *Twice a week.* Professor WHITE.

Theory and Practice of Physic.

Lectures. *Twice a week.* Professor FITZ. Clinical lectures. *Twice a week.* Professor FITZ. Recitations or demonstrations. *Twice a week.* Dr. CUTLER.

Clinical Medicine.

SECOND CLASS.

Clinic. *Once a week.* Dr. VICKERY. *Once a week.* Dr. WITHINGTON.

Practical Instruction in Auscultation and Percussion. *Six times a week during the first half-year.* Drs. GANNETT, V. Y. BOWDITCH, H. JACKSON, and SEARS. *During the second half-year.* Professor MASON, and Drs. GANNETT, VICKERY, and WITHINGTON.

THIRD CLASS.

Twice a week. Professor SHATTUCK. *Twice a week.* Professor MASON.

Medical visits are made at the Massachusetts General Hospital by Professors FITZ and SHATTUCK, and Drs. CUTLER and GANNETT. — At the City Hospital, by Professors ROTCH and MASON, and Drs. J. G. BLAKE,

G. B. Shattuck, Forster, and Folsom. — At the Danvers, South Boston, and Somerville Hospitals for the Insane. — The medical cases at the Boston Dispensary are shown by the physicians in charge.

Fourth Class.

Once a week. Professor Shattuck. *Once a week.* Professor Mason.

Clinical Conference. *Once a week.* Dispensary cases.

Neurology.

Clinical Instruction. Third Class. *Once a week.* Professor Putnam. Fourth Class. *Three times a week.* Professor Putnam, and Drs. Walton, Knapp, and Prince.

Psychiatry.

Clinical Instruction. *Once a week during second half-year.* Dr. Fisher.

Pediatrics.

Lectures. *Once a week.* Professor Rotch.

Clinical exercises. *Twice a week.* Professor Rotch and Drs. Buckingham, Wentworth and Craigin.

Clinical Conference. *Once a week during second half-year.* Professor Rotch and Drs. Buckingham, Wentworth and Craigin.

Obstetrics.

Theory and Practice of Obstetrics. *Twice a week.* Professor Wm. L. Richardson. Recitations. *Once a week.* Asst. Professor C. M. Green.

Operative Obstetrics. *Twelve practical exercises.* Asst. Professor C. M. Green.

Practical Instruction in Clinical Obstetrics. *Throughout the year.* Asst. Professor C. M. Green and Drs. Reynolds, Townsend and Haven.

Obstetrical Conference. *Once a week after January 1st.* Professor Wm. L. Richardson and Asst. Professor C. M. Green, and Drs. Reynolds, Townsend, and Haven.

Clinical Obstetrics. *Twice a week for four months.* Professor Wm. L. Richardson.

Operative Obstetrics. *Practical exercises.* Asst. Professor C. M. Green.

Gynaecology.

Third Class.

Lecture or recitation. *Once a week.* Dr. Davenport.

Clinical exercises. *Three times a week.* Drs. Swift, Haven, and Reynolds.

Fourth Class.

Clinical and Operative exercises. *Twice a week.* Asst. Professor C. M. Green. Operative exercises. *Twice a week for four weeks.* Asst. Professor Davenport. Clinical Conference. *Once a week.* December to May. Asst. Professor C. M. Green.

Ovarian Tumors.

Once a week for two months. Dr. Homans.

Syphilis.

Twice a week. Dr. Post.

Ophthalmology.

Three times a week for eight months. Professor Wadsworth. *Four times a week for three months.* Drs. Cheney and Standish.

Otology.

Three times a week during first half-year. Professors C. J. Blake and J. O. Green.

Six Clinical exercises a week during second half-year. Professors C. J. Blake, J. O. Green, and Drs. Bryant and Crockett.

Diseases of the Throat and Nose.

Twice a week during first half-year. Drs. DeBlois, Farlow, and Coolidge.

Diseases of the Genito-Urinary Apparatus.

Once a week. Drs. Cabot and Watson.

Legal Medicine.

Three times a week during the first half-year. Professor Draper.

Municipal Sanitation.

Once a week during second half-year. Dr. Durgin.

Clinical Microscopy.

Once a week. Dr. Whitney.

Cookery.

Twice a week (two hours) for one month. Boston Cooking School.

Orthopedics.

Lectures *during first half-year.* Clinical exercises. *Twice a week during second half-year.* Asst. Professor Bradford.

CLINICAL ADVANTAGES.

The Medical Department of the University is established in Boston, in order to secure those advantages for Clinical Instruction and for the study of Practical Anatomy which are found only in large cities.

There are Hospital visits or operations daily.

The Massachusetts General Hospital. — During the past year, 3406 patients were treated in the wards, and 27,989 in the out-patient departments. Patients are received from all parts of the United States and the Provinces, and are visited by the students, with the attending physicians and surgeons, on four days in the week. Operations are numerous, and are performed in the amphitheatre, which is provided with seats for 400 persons. Clinics in the following special branches have been established in connection with the out-patient department: Dermatology, Laryngology, Diseases of the Nervous System, and Ophthalmology.

The City Hospital. — During the past year, 8599 cases were treated in its wards, and 16,597 in its various out-patient departments. The medical wards always contain many cases of acute diseases, and changes are taking place constantly. The opportunities for seeing fractures, injuries, and traumatic cases of all kinds are excellent, since, on an average, 800 street accidents are yearly treated. Surgical operations are performed in the amphitheatre. There is a special service for diseases of women. Diseases of the eye, the ear, and the skin, and also diseases of women and of the nervous system are largely treated in the out-patient department. Clinical instruction is given by the physicians and surgeons two or more times a week.

In these two hospitals, the facilities for witnessing Operative Surgery are unsurpassed. Twice a week operations are performed in the presence of the class. The number of these operations is large, reaching nearly two thousand a year. The variety is great, embracing every surgical disease and injury, including the surgical operations on the eye and ear.

The Boston Lying-in Hospital. — More than five hundred patients are annually confined in the Hospital. In the out-patient department, over a thousand cases are annually attended by the hospital externes who are appointed from the third and fourth year students. Clinical instruction is given in these cases by the physicians to out-patients and the House Physicians.

The Boston Dispensary. — 44,752 patients were treated at this Public Charity during the past year. A new building has lately been erected at a cost of $50,000, where students have ample and excellent opportunity for seeing practical work in the diagnosis and treatment of cases illustrating the various branches of medicine and surgery.

The Massachusetts Charitable Eye and Ear Infirmary. — 19,365 patients were treated at this institution during the last year. These cases present every variety of disease of the ear and eye, and supply a large number of operations.

The Marine Hospital at Chelsea receives from the shipping of the port a large number of patients, who furnish examples of the diseases of foreign countries and of distant parts of the United States. Many cases of venereal disease, in its various forms, are treated annually.

Students are also permitted to visit the Children's Hospital, Free Hospital for Women, and the Carney Hospital on application to the physicians on duty.

There are more than sixty appointments annually for Internes in the various hospitals, and nearly as many more for Assistants in the out-patient departments. Appointments for the Massachusetts General and City Hospitals are for the term of eighteen months, for the Boston Lying-in Hospital for six months, and for the Free Hospital for Women for nine months.

EXAMINATIONS.

The regular examinations are conducted in writing and orally, and are (with a few exceptions) held at the end of each year in June, and during the opening week in September, on the studies of the preceding year. The *June examination* is for those only who are members of the School at the time and for those entitled to apply for the degree. The *September examination* is for those only who have previously failed in the subject of the examination or who are applicants for advanced standing. In some branches a portion of the examination consists of practical work in the laboratory. Examinations are held in the following order: —

First Year. — Anatomy (2 hrs.), Physiology (3 hrs.), Histology* (1 hr.), Medical Chemistry (1½ hr.), Bacteriology (1 hr.)

Second Year. — Advanced Anatomy (2 hrs.), Pathological Anatomy (3 hrs.), Clinical Chemistry (2 hrs.), Materia Medica and Therapeutics (2 hrs.).

Third Year. — Theory and Practice (3 hrs.), Surgery (3 hrs), Obstetrics (3 hrs.), Pediatrics (2 hrs.), Dermatology (1 hr.), Neurology (1 hr.), Gynaecology (1 hr.), Mental Diseases (1 hr.).

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* The examination in this subject will be held at the end of the first half-year.

Fourth Year. — Clinical Medicine (3 hrs.), Clinical Surgery (2 hrs.), Orthopedics (1 hr.), Ophthalmology* (1 hr.), Otology* (1 hr.), Laryngology* (1 hr.), Legal Medicine* (1 hr.), Syphilis* (1 hr.).

Electives. — Gynaecology (2 hrs.), Dermatology (2 hrs.), Neurology (2 hrs.), Ophthalmology (2 hrs.), Otology (2 hrs.), Orthopedic Surgery (2 hrs.), Physiology (1 hr.), Chemistry (1 hr.), Operative Surgery (1 hr.), Operative Obstetrics* (1 hr.), Bacteriology* (1 hr.), Hygiene* (1 hr.).

In addition to the above examinations each student is required to present a satisfactory report of the analysis of a specimen of urine, to examine and report upon a clinical case in Surgery and four cases in Medicine, and to take charge of and report upon six cases in Obstetrics; each student must also have dissected the three parts of the body to the satisfaction of the Demonstrator, and no student shall be admitted to the examination on Anatomy at the end of the first year who has not so dissected two parts, nor to that at the end of the second year who has not so dissected three parts, unless excused by the Professor of Anatomy.

In the fourth year, three hours of examination in electives are obligatory. *The choice of electives must be made within two weeks of registration at the beginning of the year, and must be given to the Secretary in writing.*

Students electing Ophthalmology, Otology, or Orthopaedics in the fourth year are obliged to pass only the two-hours examination in these subjects at the end of the year. Only one hour of these two can count as an elective.

Candidates for the degree who shall have served satisfactorily as internes in the Massachusetts General Hospital, Boston City Hospital, Carney Hospital, Children's Hospital, and State Almshouse Hospital, for a period of not less than one year, may be exempt from examination in the electives of the fourth year.

No student is allowed to anticipate the examinations in the regular course of studies of his year, except by special permission of the Faculty.

After two failures to pass in any subject a charge of $3 will be made for each subsequent examination in that subject.

DIVISION OF STUDENTS.

Students are divided into four classes, according to their time of study and proficiency. Students who began their professional studies in other recognized Medical Schools may be admitted to advanced standing; but all persons who apply for admission to the advanced classes must pass examinations in the branches already pursued by the class to which they seek admission, and furnish a satisfactory certificate of time spent in medical studies. No student may advance with his class, or be admitted to advanced standing, until he has passed the required examinations in the studies of the previous year, or a majority of them; nor may he become a member of the third class, until he has passed all the examinations of the first, including admission examinations, and in addition a majority of those of the second year; nor of the fourth class, until he has passed all of the examinations of the first and second, in addition to a majority of those of the third year. *No student will be permitted to take part in any exercise of the third year unless he is clear of all entrance conditions.*

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* The examinations in these subjects will be held at the end of the first half-year.

In order that the time of study shall count as a full year, students of all classes must present themselves within the first week of the School year and register their names with the Secretary.

Any student may obtain a certificate of his period of connection with the School.

LIBRARIES.

The students have access, free of charge, to the books belonging to the library of the School and to the libraries of the several departments.

The College Library at Cambridge is open to the students of the Medical School.

The Boston Public Library, which contains a large collection of medical books, is open to students who are inhabitants of Boston. Students, not inhabitants of Boston, who have filed a bond at the Treasurer's office, or deposited with the Treasurer the sum of fifty dollars, may also use this library. The Treasurer will furnish on application the necessary certificate of bond or deposit. The fine library building which is just completed stands next door to the Medical School.

REQUIREMENTS FOR A DEGREE.

Every candidate must be twenty-one years of age, and of good moral character; must give evidence of having studied in a recognized Medical School at least four full years; have spent at least one continuous year at this School; and have passed the required examinations.

At the end of the four years of study the degree of Doctor of Medicine will be given to those students who have fulfilled its requirements. This degree *cum laude* will be given to candidates who have obtained an average of over seventy-five per cent* in all the required examinations.

The presentation of a thesis is not a requirement for graduation, but candidates for the degree of M.D. may present a voluntary thesis. If of conspicuous merit, it will receive honorable mention; if also of a suitable character, it may be read at the University Commencement exercises. Theses must be completed and delivered to the Dean on or before the first day of June.

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* In computing averages all examinations will be reduced to a basis of three hours.

The degree of Master of Arts is open to graduates of the School who are also Bachelors of Arts of Harvard College, and to Bachelors of Arts of other Colleges who shall be recommended by the Faculty of Arts and Sciences of Harvard College. Candidates must pursue an approved course of study in Medicine for at least one year after taking the degree of Doctor of Medicine.

A graduate of another medical school may obtain the degree of M.D. at this University, after a year's study in the graduates' course and after passing all examinations required in the full undergraduate course, which may be taken at such times as shall be agreed upon by the examiners and the graduate student.

ANATOMICAL PRIZE.

Professor C. B. PORTER offers a prize of fifty dollars, open to all students, and graduates of not more than five years' standing, except teachers of anatomy, for the best dissection deserving the award illustrative of surgical anatomy, the specimen to be presented to the Museum.

OTOLOGY PRIZE.

For the best preparation illustrating the osseous anatomy of the ear or for the best thesis showing original work on an otological subject, a prize of twenty-five dollars is offered, open to third and fourth-year students.

PECUNIARY AID.

FELLOWSHIPS AND SCHOLARSHIPS.

BULLARD FELLOWSHIPS. In 1891, Mr. William S. Bullard gave the sum of fifteen thousand dollars for the establishment of three fellowships of five thousand dollars each "in memory of three physicians who were distinguished for their honorable personal character and for their professional services in this community." Accordingly the three following fellowships were established with a yearly income of $225 each: —

THE GEORGE CHEYNE SHATTUCK MEMORIAL FELLOWSHIP.
THE JOHN WARE MEMORIAL FELLOWSHIP.
THE CHARLES ELIOT WARE MEMORIAL FELLOWSHIP.

The income from any one or all of these fellowships may be paid to any student or member of the medical profession who shall be selected by the Faculty of the Medical School to make such original investigations in Medical Science, as in their opinion will be most useful to the profession and to the community.

Holders of Bullard Fellowships are required to do an amount of work equivalent to not less than ten hours per week throughout the academic year and to present to the Committee at the end of the academic year a report on the amount and result of the work performed.

BARRINGER SCHOLARSHIPS. Two, known as the Edward M. Barringer Scholarship No. 1, and the Edward M. Barringer Scholarship No. 2, and having a yearly income of $300 and $200 respectively, from a bequest of Edward M. Barringer will be awarded to deserving students, preferably those of the fourth class.

DAVID WILLIAMS CHEEVER SCHOLARSHIP, with an income of $200. Founded by David Williams Cheever, LL.D., M.D., of Boston in 1889. To be awarded to a poor and meritorious student of the first year only, after three months probation in the Medical School.

ISAAC SWEETSER SCHOLARSHIP. Founded in 1892 by Mrs. Anne M. Sweetser. The income of $250 to be " devoted to the aid of poor students of ability who would not otherwise be able to continue the studies necessary for their profession."

CLAUDIUS M. JONES SCHOLARSHIP, with an income of $250, from a bequest of six thousand dollars by Claudius M. Jones, M.D.

ORLANDO W. DOE SCHOLARSHIP. One-half the income from the bequest of Orlando W. Doe, M.D., of five thousand dollars, amounting to $100 " to be given annually as a scholarship to a deserving student in the Medical department."

CHARLES PRATT STRONG SCHOLARSHIP, with an income of $100. Founded in 1894 by friends and patients of the late Charles Pratt Strong, M.D.

The LEWIS AND HARRIET HAYDEN SCHOLARSHIP for colored students. Founded in 1894 from a bequest of Mrs. Harriet Hayden. The income is $200.

FACULTY SCHOLARSHIPS. Four, with an income of $200 each, have been established by the Faculty, and are open to meritorious students who have been at the School for at least one year. Only those students needing assistance are expected to apply; and of such, those holding the highest rank will have the preference. Holders of Faculty scholarships may be required to render assistance in laboratory courses to an amount not exceeding four hours per week.

ALFRED HOSMER LINDER SCHOLARSHIP, with an income of $200. Founded in 1895 by Mrs. George Linder. To be awarded to a needy student who shall have proven himself to be of sound principles and marked ability.

The income of the John Foster Fund, amounting to about one hundred and fifty dollars, is payable every other year to one or more meritorious students needing assistance.

Except the Cheever and the Hayden Scholarships, none will be awarded to a member of the first-year class.

All applications for scholarships or pecuniary aid, except for the Cheever and Hayden Scholarships, must be handed to the Dean on or before May 30 of each year.

Applications for the Cheever and Hayden Scholarships must be handed to the Dean on or before November 30.

The blank form on which all applications for pecuniary aid must be made can be obtained of the Dean.

FEES AND EXPENSES.

For matriculation, five dollars; for the first three years, two hundred dollars for each year (if in two payments, at the first, one hundred and twenty dollars; at the second, eighty dollars); for a half-year alone, one hundred and twenty dollars; the fee for the full year to all students entitled to be classified as fourth-year students and who have been regular members of the School for three full years will be one hundred dollars; for graduation, thirty dollars. During the first two years there are the following additional expenses: Two dollars for each of the three parts required for dissection; and five dollars per year for chemical material, in addition to the charge for breakage of glass apparatus. A deposit of fifteen dollars is required to cover these charges for chemical material and breakage. The balance of this deposit is returned at the end of the year. A deposit of two dollars with the Dean will entitle a student to the use of a locker in the School building. A student who wishes to rent a microscope of the School can do so upon payment of three dollars a term. In the fourth year a charge of three dollars will be made for material used in the course in Operative Surgery. Of students who do not pay in advance, a bond for $300, executed by two sufficient bondsmen, one of whom must be a citizen of the United States, is required. A copy of such bond will be sent, on application to the Secretary of the Faculty, and all students are recommended to deposit such a bond. To students depositing bonds, term-bills will be presented one week before the end of the first term, to be paid within two weeks; and also one week or more before Commencement, to be paid on or before the beginning of the next academic year. Such students will be held responsible for the payment of fees until they have notified the Dean of their intention to withdraw from the School, and have subsequently received their bond from the Treasurer.* Whenever a student is obliged to withdraw from the School before the last four weeks of a half-year for no misdemeanor, but for good and sufficient reason, to be determined in all cases by the Faculty, it shall be recommended that he be entitled to a remission of three-fourths of the amount due for that portion of the time during which he receives no instruction — this remission to date from the reception by the Dean of a written notice of the student's withdrawal from the School. No degree can be conferred till all dues to the School are discharged. The student's general expenses may be reduced, in accordance with his means, to the standard which prevails in other cities. A list of boarding places at various prices can be obtained at the rooms of the Young Men's Christian Association, corner of Berkeley and Boylston Streets, and the rooms of the Young Men's Christian Union, No. 48 Boylston Street, Boston.

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* The Treasurer's office is at 50 State St., Boston.

COURSES OF STUDY FOR GRADUATES.

The Faculty has arranged a greatly enlarged and improved plan of instruction for graduates, embracing nearly all the branches of practical and scientific medicine. It is designed to supply those opportunities for clinical and laboratory study which have hitherto been sought in Europe by young graduates and practitioners.

The laboratories of the School are well equipped for practical work, and the clinical advantages afforded by the hospitals of Boston furnish abundant material for all purposes of instruction. The following are the principal institutions: —

Massachusetts General Hospital,
Boston City Hospital,
Boston Dispensary,
Massachusetts Eye and Ear Infirmary,
Free Hospital for Women,
Boston Lying-in Hospital,
The Children's Hospital,
McLean Hospital (for the Insane,)
Boston Lunatic Hospital,
The Carney Hospital.

Instructors in the Medical School are members of the medical and surgical staffs of these institutions, and students are admitted to all of them under their immediate supervision.

Instruction in the graduate courses is entirely distinct from that of the undergraduate department of the School, with but few exceptions; but students of the former will be admitted also to all the regular lectures (not clinical) of the latter without extra charge during their connection with the School.

Instruction will be conducted in small classes and under the personal direction of the heads of departments.

Instruction will be given throughout the academic year, October to June. A certificate of attendance will be furnished when desired.

The following Courses are announced in the Graduate Department for 1895–96.

SUBJECT.	INSTRUCTOR.	PLACE.	TIME.	FEE.
1. Anatomy of the Joints	Dr. Dwight	Medical School	Special*	$25.
2. Dissection Courses	Dr. Dexter	Medical School	After Nov. 1	20.
3. Special Anatom. Instruction	Dr. Dwight	Medical School	Special*	Special.*
† 4. Histology and Microscopy	Dr. Minot	Medical School	Special*	30.
† 5. Elem. Human Embryology	Dr. Minot	Medical School	Special*	25.
† 6. Advanced Embryology	Dr. Minot	Medical School	Oct.—May	75–125
† 7. Physiology	Dr. Bowditch	Medical School	Special*	Special.*
† 8. Medical Chemistry	Dr. Wood	Medical School	Special*	35.
9. Clinical Microscopy	Dr. Whitney	Massachusetts General Hospital	Special*	Special.*
†10. Surgical Pathology	Dr. Mallory	Medical School	Apr., May	20.
†11. Pathology of the Infectious Diseases.	Dr. Wright	Medical School	Nov., Dec.	25.
†12. Pathological Anatomy and Histology of the Nervous System	Dr. Taylor	Medical School	Special*	15.
13. Clinical Medicine	Dr. Ernst	Massachusetts General Hospital	Oct.	15.
†14. Clinical Medicine	Dr. Knight	Boston City Hospital	Oct., Nov.	10.
†15. Clinical Medicine	Dr. Mason	Boston City Hospital	Nov., Dec., Jan.	20.
‡16. Minor Surgery	Dr. Conant	Massachusetts General Hospital	Oct.	20.
‡17. Minor Surgery	Dr. Conant	Massachusetts General Hospital	Dec.	20.
‡18. Abdominal Surgery	Dr. Conant	St. Elizabeth's Hospital	Oct., Nov.	25.
19. Clinical, Operative, Genito-urinary, Pathological and Minor Surgery	Drs. Monks and Thorndike	Boston City Hospital	Oct.—Dec.	25.
20. Clinical, Operative, and Minor Surgery	Drs. Burrell, Lovett, and Munro	Boston City Hospital	Dec.—Apr.	25.
21. Operative Surgery	Dr. C. B. Porter	Medical School	Special*	25.
22. Clinical Surgery	Dr. M. H. Richardson	Massachusetts General Hospital	Feb., March, Apr., May	25.
‡23. Children's Surgery	Drs. Burrell and Lovett	Children's Hospital	Oct., Nov., Dec.	25.
‡24. Children's Surgery	Drs. Burrell and Lovett	Children's Hospital	Apr., May, June	25.
25. Minor Surgery	Dr. Scudder	Massachusetts General Hospital	Feb., ‡Apr., ‡May	25.
26. Clinical Surgery	Dr. Gay	Boston City Hospital	Apr., May	15.
27. Clinical Surgery	Dr. Homans	Massachusetts General Hospital	March, Apr.	20.
†28. Orthopedic Surgery	Dr. Bradford	Children's Hospital	Apr.	15.
29. Clinical Obstetrics	Dr. W. L. Richardson	Boston Lying-in Hospital	Nov., Dec., Apr., May	20.
30. Clinical Obstetrics	Dr. C. M. Green	Boston Lying-in Hospital	Jan., Feb., March	20.

31. Practical Obstetrics	Drs. Reynolds, Townsend, and Haven	Boston Lying-in Hospital	Special *	20.
32. Operative Obstetrics	Dr. C. M. Green	Medical School	Special *	25.
33. Diseases of the Skin	Dr. White	Massachusetts General Hospital	Oct.—June	25.
34. Otology	Dr. Blake	Infirmary	Dec., Jan., Apr., May	25.
35. Otology	Dr. Bryant	Infirmary	Dec., Jan.	25.
†36. Ophthalmology	Dr. Standish	Infirmary	Dec., Jan.	Special.*
†37. Ophthalmology	Dr. Cheney	Massachusetts General Hospital	March, Apr.	Special.*
38. Gynaecology	Dr. Swift	Free Hospital for Women	Oct.	25.
39. Gynaecology	Dr. Swift	Free Hospital for Women	Dec.	25.
40. Gynaecology	Dr. Davenport	Free Hospital for Women	Jan.	25.
41. Gynaecology	Dr Davenport	Free Hospital for Women	March	25.
42. Gynaecology	Dr. Haven	Boston Dispensary	Nov.	25.
43. Gynaecology	Dr. Swift	Boston Dispensary	Jan., Feb.	25.
44. Gynaecology	Dr. C. M. Green	Boston City Hospital	Oct., Nov., Dec.	25.
45. Operative Gynaecology	Dr. Davenport	Medical School	Special *	25.
46. Diseases of the Nose and Throat	Dr. DeBlois	Boston City Hospital	Feb., March	Special.*
‡47. Diseases of the Nose and Throat	Dr. Farlow	Boston Dispensary	Oct.—Jan.	Special.*
‡48. Diseases of the Nose and Throat	Dr. Farlow	Boston City Hospital	Apr., May	Special.*
‡49. Diseases of the Nose and Throat	Dr. Coolidge	Massachusetts General Hospital	Feb., March	Special.*
†50. Mental Diseases	Dr. Cowles	McLean Hospital	Special *	10.
†51. Bacteriology	Dr. Ernst	Medical School	Special *	25.
†52. Diseases of Children	Dr. Wentworth	Children's Hospital	Oct., Nov.	20.
†53. Diseases of Children	Dr. Wentworth	Children's Hospital	Dec., Jan.	20.
†54. Diseases of Children	Dr. Buckingham	Children's Hospital	Feb., March	20.
†55. Diseases of Children	Dr. Buckingham	Children's Hospital	Apr., May	20.
†56. Neurology	Dr. Knapp	Boston City Hospital	Feb., March	20.
†57. Neurology	Dr. Knapp	Boston City Hospital	Apr., May	20.
58. Neurology	Dr. Walton	Massachusetts General Hospital	Nov.	20.
59. Legal Medicine	Dr. Draper	Boston City Hospital	Oct.—June	25.
60. Hygiene	Dr. Harrington	Medical School.	Special *	25.

* To be arranged with instructor. † Women admitted. ‡ Women admitted conditionally.

Fees.

The fees for the separate courses in the several departments vary with the courses.

Fee for two months' attendance upon all the courses,	$100.
“ “ four months' “ “ “ “	150.
“ “ attendance throughout the academic year “ “ “	200.

An extra fee is required for the use of material in laboratory, dissecting and operative courses.

All fees are payable in advance to the Secretary of the Medical School.

Those pursuing these courses may elect the studies to which they will give their attention, and allot the time they will devote to each. They will be exempt, unless at their option, from examinations, and may obtain a certificate of attendance on the courses pursued. On payment of the full fee for the year, they will have the privilege of attending other exercises of the Medical School, the use of its laboratories and library, and all other rights accorded by the University.

A series of lectures on special subjects will be given on Thursday evenings from October till May. These lectures are open to all members of the profession.

A graduate of another medical school may obtain the degree of M.D. from this University, after a year's study in the graduates' course and after passing the required examinations, which can be taken at such times as may be agreed upon by the examiners and the graduate student.

For further information and full description of the courses and lectures for graduates, address Dr. William L. Richardson, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

SUMMER COURSES.

During the summer of 1896 courses in many branches of practical and scientific medicine will be given by some of the teachers of the School. These courses will be clinical in character and will be given at the Hospitals and Dispensaries by the physicians and surgeons on duty. Practical instruction will also be given in several of the Laboratories at the School by the instructors in charge.

A detailed list of the Summer Courses will be announced in March. For further information address Dr. William L. Richardson, *Dean*, Harvard Medical School, Boylston Street, Boston, Mass.

BOYLSTON MEDICAL PRIZES.

These prizes, open to public competition, are offered annually for the best dissertations on questions in medical science proposed by the Boylston Medical Committee.

No prize was awarded at the annual meeting of 1895.

For 1896 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology, or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The Action of any of the Toxic Ptomaines or Toxalbumins upon the Animal Economy.*

Dissertations on these subjects must be sent post-paid to W. F. Whitney, M.D., Harvard Medical School, Boston, Mass., on or before *Wednesday, April 2, 1896.*

For 1897 two prizes are offered: —

1. A prize of one hundred and fifty dollars for the best dissertation on *The results of Original Work in Anatomy, Physiology or Pathology.* The subject to be chosen by the writer.

2. A prize of one hundred and fifty dollars for the best dissertation on *The Results of Original Investigations in the Psychology of Mental Disease.*

Dissertations on these subjects must be sent to the same address as above on or before *January 1, 1897.*

In awarding these prizes preference will be given to dissertations which exhibit original work, but if no dissertation is considered worthy of a prize, the award may be withheld.

Each dissertation must bear in place of its author's name some sentence or device and must be accompanied by a sealed packet bearing the same sentence or device and containing within the author's name and residence. *Any clew by which the authorship of a dissertation is made known to the committee will debar such dissertation from competition.*

Dissertations must be written in a distinct and plain hand, and their pages must be bound in book form.

All unsuccessful dissertations are deposited with the Secretary, from whom they may be obtained, with the sealed packet unopened, if called for within one year after they have been received.

By an order adopted in 1826, the Secretary was directed to publish annually the following votes: —

1. That the Board do not consider themselves as approving the doctrines contained in any of the dissertations to which premiums may be adjudged.

2. That in case of publication of a successful dissertation, the author be considered as bound to print the above vote in connection therewith.

The Boylston Medical Committee is appointed by the President and Fellows, and consists of the following physicians: ROBERT T. EDES, M.D., *President*, SAMUEL G. WEBBER, M.D., H. P. BOWDITCH, M.D., FRANK W. DRAPER, M.D., J. COLLINS WARREN, M.D., EDWARD S. WOOD, M.D., WILLIAM F. WHITNEY, M.D., *Secretary*, F. H. WILLIAMS, M.D.

The address of the *Secretary* is WILLIAM F. WHITNEY, M.D., Harvard Medical School, Boston, Mass.

DEGREES.

On Commencement Day, June 26, 1895, degrees were conferred as follows: —

M.D. and **A.M.**

Theron Harlow Carter.
Harvey Williams Cushing, A.B. (*Yale Univ.*) 1891.
Augustus William Dudley, A.B. 1891.
Cleon Melville Hibbard, A.B., S.B., L.B. (*Missouri State Univ.*) 1890.
George Henry Thomas, A.B. 1892.

M.D. (*Four years' course.*)

Alfred John Boyle.
Augustus Woodbury Calder, A.B. (*Brown Univ.*) 1891.
Joseph Almarin Capps, A.B. (*Illinois Coll.*) 1891.
Henry Dexter Chadwick.
Theodore Charles Erb.
Herbert James Hall.
John Clark Jones, M.D. (*Bellevue*) 1882.
Timothy Leary.
Francis Thomas Louis Magurn.
Arthur White Marsh.
Frank Wentworth Plummer, A.B. (*Dartmouth Coll.*) 1891.
Fred Stevens Smith.
Marsena Parker Smithwick, A.B. (*Bowdoin Coll.*) 1888, A.M. (*Ibid.*) 1891.
George Arthur Stuart, M.D. (*Coll. of Phys. and Surg., Iowa*), 1884.
William Northend Tenney.
Charles Sias Wright, A.B. (*Bowdoin Coll.*) 1891.

M.D. (*Three years' course.*)

Frederick Randolph Abbe, A.B. (*Amherst Coll.*) 1891.
John Henry Ash.
Herman Trost Baldwin, A.B. 1891.
George Lawrence Barney, A.B. 1890
Robert Emmet Camfill.
Dudley Carleton.
Arthur Lambert Chute.
Ernest Amory Codman, A.B. 1891.
Herbert Wyche Cruikshank.
William Joseph Daly.
Francis Parkman Denny, A.B. 1891.
George Carroll Dolliver, PH.B. (*Tufts Coll.*) 1891.
Richard Edward Edes, A.B. (*Johns Hopkins Univ.*) 1889.
John Marshall Willoughby Farnham, A.B. (*Amherst Coll.*) 1891.
Jefferson Cushing Gallison, M.D. (*Dartmouth Coll.*) 1887.
John Mason Hastings, A.B. (*Bowdoin Coll.*) 1891.
Henry Fox Hewes, A.B. 1890.

Edgar Miller Holmes.
Walter Kendall Jewett, A.B. (*Brown Univ.*) 1891.
Elliot Procter Joslin, A.B. (*Yale Univ.*) 1890, PH.B. (*Yale S. S.*) 1891.
Harry Delano Kennard.
Charles Norton Lake, PH.C. (*Univ. of Michigaa*) 1884.
Lester Colwell Miller.
Charles Fairbank Painter, A.B. (*Johns Hopkins Univ.*) 1891.
Appleton Howe Pierce.
John Robinson Poore.
Charles Russell Lowell Putnam, A.B. 1891.
James Ambrose Quinn.
Joseph Warren Reddy.
William Henry Robey.
David Patrick Ronayne.
John James Savage.
Frank Simpson Smith.
Philip Sosnowiski.
Herbert Kendall Stiles, A.B. (*Amherst Coll.*) 1891.
John Francis Sullivan.
John Peter Treanor.
James Lucas Wheaton, PH.B. (*Brown Univ.*) 1891.
Franklin Warren White, S.B. (*Mass. Inst. of Tech.*) 1890.
Frank Percival Williams.
Eugene Cushman Wylie.
Henry Dudley Young.
Jonathan Frank Young.

The following tabular view illustrates the distribution of studies throughout the year

1895–96, FROM SEPTEMBER 26 TO JUNE 19.

First Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	†Anatomy, L. Prof. Dwight, Lect.Room C.	†Anatomy, L. Prof. Dwight, Lect.Room C.	†Anatomy, L. Prof. Dwight, Lect.Room C.	†Anatomy, L. Prof. Dwight, Lect.Room C. [2] Physiol. C. Lect.Room A.	‡Anatomy, L. Asst. Prof. Dexter, Lect.Room C.	‡Anatomy, L. Asst. Prof. Dexter, Lect.R'm C.
10	[1] Hygiene, L. Dr. Harrington.	[1] Histol. Laborat. Prof. Minot and Dr. Quincy. 2d term, 9–11.	Histology, L. Prof. Minot.	[1] Histol. Laborat. Prof. Minot and Dr. Quincy. 2d term, 9–11.	[1] Histology, L. Prof. Minot.	Physiol. R. Prof. Bowditch, Lect.R'm A.
11	Physiology. L. Prof. Bowditch, Lect.Room A.				Physiology. L. Prof. Bowditch, Lect.Room A.	Physiology. Dem. Asst. Prof. Porter.
12	‡Anatomy, R. Dr. Conant, Lect.Room C.	[1] General Chemistry, L. Prof. Hills, Lect.Room A. [2] Physiology, L. Prof. Bowditch, Lect.Room A.	Medical Chemistry, L. Prof. Hills, Lect.Room A.	[1] General Chemistry, L. Prof. Hills, Lect.Room A. [2] Physiology, L. Prof. Bowditch, Lect.Room A.	[2] Medical Chemistry, L. Prof. Hills, Lect.Room A.	*Laborat'y.
2	*Laboratory.	*Laboratory.	*Laboratory.	*Laboratory.	*Laboratory.	
3					[2] Bacteriology L. Prof. Ernst, Lect.Room A.	
4						
5						

[1] First half-year only.
[2] Second half-year only.
* Anatomy, Bacteriology, Chemistry, and Physiology.
† Till January.
‡ Till April.

L.	Lecture.
R.	Recitation.
C.	Conference.
Dem.	Demonstration.
Cl.	Clinic.

B.C.H. = Boston City Hospital; Disp. = Boston Dispensary; M.G.H. = Massachusetts General Hospital; Free Hosp. = Free Hospital for Women.

These abbreviations refer to the following as well as to the above tables.

The Museum will be open daily, 9–11, except Saturdays.

Second Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
8	†Surg. Apparatus and Bandaging. Dr. Scudder, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Scudder, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Scudder, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Scudder, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Scudder, No. Grove St.	†Surg. Apparatus and Bandaging. Dr. Scudder, N. Grove St.
9	Clin. Med. Dr. Vickery, M. G. H.	†Theory and Practice. R. Dr. Cutler, M. G. H. 2d term at 10. ‡Med. Visit. Drs. Gannett & Vickery, M. G. H.	‡Med. Visit. Prof. Mason & Dr. Withington, B. C. H.	Med. Visit. Prof. Mason & Dr. Withington, B. C. H.	‡Med. Visit. Drs. Gannett & Vickery, M. G. H.	Clin. Med. Dr. Withington, B. C. H.
10	*Auscultation §Surg. Dem. Dr. Mixter, No. Grove St.	*Auscultation §Surg. Dem. Dr. Mixter, No. Grove St.	*Auscultation § Surg. Dem. Dr. Mixter, No. Grove St.	*Auscultation §Surg. Dem. Dr. Mixter, No. Grove St.	*Auscultation §Surg. Dem. Dr. Mixter, No. Grove St.	Surg. R. B. C. H. and Lect. Room C. Asst. Prof. Burrell.
11	*Auscultation Drs. Gannett, V. Y. Bowditch, Knight and Sears, M. G. H., Bost. Disp., & B. C. H.	*Auscultation	*Auscultation Surg. R. M. G. H. and Lect. Room C. Dr. Cabot.	Adv. Anat. L. Asst. Prof. Dexter till Jan., Prof. Dwight after Jan. Lect. Room C.	*Auscultation B. C. H. Operations.	*Auscult. M. G. H. Operations.
12				Pathology, L. Prof. Councilman, Lect. Room C.	Adv. Anat. L. Prof. Dwight, Lect. Room C.	
2	Clin. Chem. L. Prof. Wood, Lect. Room A.	Path. Histol. Dr. Mallory, Laborat.	Clin. Chem. †L. or R. Prof. Wood, Lect. Room A. ‡L. or Conference.	Path. Histol. Dr. Mallory, Laborat.	Therapeut's. Dr. Harrington. Lect. Room E.	
3	Pathology. R. & Dem. Prof. Councilman, Laboratory.		Pathology, L. Prof. Councilman, Lect. Room C.		Pathology. Dem. & R. Prof. Councilman, Laboratory.	
4	‡Pathology of Nervous System. L. & Dem. Dr. Taylor. Lect. Room A.	Adv. Anat. L. Asst. Prof. Dexter till Jan., Prof. Dwight after Jan. Lect. Room C.		Therapeut's. Dr. Harrington. Lect. Room E.	Theo. & Pr. R. Dr. Cutler, Lect. Room E.	
5						

* Till February in sections.
† In first half-year.
‡ In second half-year.
§ In second half-year in sections.
|| In sections of half the class till March.

Laboratory exercises in Clin. Chem. daily except Saturdays.
The Museum will be open daily, 9–11, except Saturdays.

Third Class.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9		Clin. Med. B. C. H.	Clin. Med. M. G. H.	Gynaecology, L. or R. No. Grove St.	Clin. Med. B. C. H.	Clin. Med. M. G. H.
10	Neurology, M. G. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	Clin. Surg. B. C. H. *Cl. Gynaecol. B. C. H. *Clin. Surg. M. G. H. & B. C. H.	Cl. Dermatol. M. G. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	Surgery. M. G. H. *Cl. Gynaecol. B. C. H. *Clin. Surg. M. G. H. & B. C. H.	Clin. Surg. B. C. H. *Cl. Gynaecol. Disp. till Apr. *Clin. Surg. M. G. H. & B. C. H.	*Pediatr's, Disp. and Child. Hosp. *Cl. Gynaecology. B. C. H. *Clin. Surg. M. G. H. & B. C. H.
11			Pediatrics. No. Grove St. *Cl. Obstet. Jan. — May.	Theo. & Pract. M. G. H.	Operations, B. C. H.	Operations, M. G. H. Theory and Practice, M. G. H. *Cl. Obstet. Jan.—May.
11½	Pediatrics, Med. Sch. or Child. Hosp.	Pediatrics, Med. Sch. or Child. Hosp.				
12			Clin. Surg. M. G. H.	Clin. Surg. Conf. M. G. H.		
2						
3	Obstetrics, L.	Theo. & Pract. L.	Obstetrics. Conf.	Obstetrics, L.	Theo. & Pract. L.	Mental Dis. Clin. May—June.
4	Surgery, L.	Dermatology, L.	Surgery, L.	Mental Dis. L. Feb. — May.	Obstetrics, R.	

* In sections.
The Museum will be open daily, 9–11, except Saturdays.

FOURTH CLASS. — OCTOBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (1 hour)	Draper — Autopsy. Legal Medicine (c) B. C. H.
		Gannett — Clinic. Medical visit (c) M. G. H.	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (2 hours)			
		C. M. Green — Clinic. *Women's dis.* (s) B. C. H.		J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Monks — Clin. Lect. Clinical Surgery (c) B. C. H.	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours).	Coolidge — Lecture. Laryngology (s) M. G. H.
		White — Clinic. *Skin diseases* (s) M. G. H.			White — Clinic. *Skin diseases* (s) M. G. H.	
11	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
			C. B. Porter — Clinic. Diagnosis in Clinical Surgery (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. dis. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours.)	Harrington — Lab. *Hygiene* (c) M. S.	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
	Ernst — Lecture. *Bacteriology* (c) M. S. (2 hours)		Ernst — Laboratory. *Bacteriology* (c) M. S. (2 hours)		Ernst — Lab. *Bacteriology* (c) M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.	J. O. Green — Lect. Otology (c) Oct. 11. M. S.	
4	Blake or J. O. Green — Lect. Otology (c) M. S.	J. O. Green — Lect. Otology (c) Oct. 8. M. S.	Wadsworth — Lect. Ophthalmology (c) M. S.	Blake or J. O. Green — Lecture. Otology (c) M. S.		Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Bradford — Lecture. Orthopedic Surg. (c) M. S. or Ch. H.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.		Clinical Conference. M. S.	
5	*M. H. Richardson. Regional Surgery. Lect. Room C.	Monks — Lecture. *Surg. landmarks* (c) M. S.	*M. H. Richardson. Regional Surgery. Lect. Room C.		Monks — Lecture. *Surg. landmarks* (c) M. S.	
7.30	Accident-room Surgical Emergency Clinic (s) M. G. H	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surg. Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.	Accident-room Surgical Emergency Clinic (s) M. G. H.

* Provisional.

NOVEMBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	J. O. Green — Clinic. Ear Diseases (s) E. & E. Inf. (2 hrs.)	Surg. Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (2 hours)	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (1 hour)	J. O. Green — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear. Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Lecture. Throat diseases (s) B. D. (2 hours)
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Monks — Clin. Lect. Clinical Surgery (c) B. C. H.	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	Coolidge — Lecture. Laryngology (s) M. G. H.
	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	
		White — Clinic. *Skin diseases* (s) M. G. H.			White — Clinic. *Skin diseases* (s) M. G. H.	
	Surg. Clinic (c) M. G. H.					
11	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
			C. B. Porter — Diagnosis in Clinical Surgery (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours).	Harrington — Lab. *Hygiene* (c) M. S.	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	Bryant — Recit. Anat. of Ear (s) M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
	Ernst — Lecture. *Bacteriology* (c) M. S. (2 hours)		Ernst — Lab. *Bacteriology* (c) M. S. (2 hours)		Ernst — Lab. *Bacteriology* (c) M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	Blake or J. O. Green — Lecture. Otology (c) M. S.	Bradford — Lecture. Orthopedic Surg. (c) M. S. or Ch. H.	Wadsworth — Lect. Ophthalmology (c) M. S.	Blake or J. O. Green — Lecture. Otology (c) M. S.	Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.		Bradford — Clinic. Orthopedic Surg. (s) Ch. H.			
5	C. M. Green — Lect. and Demonstration in *Oper. Obstetrics* (c) M. S.	†C. B. Porter. *Dem. Oper. Surg.* (c) M. S.	*M. H. Richardson. Regional Surgery. Lect. Room C.	*M. H. Richardson. Regional Surgery. Lect. Room C.	C. B. Porter. *Dem. Oper. Surg.* (c) M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M.G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

* Provisional.

† Repetition courses by the students will take place in the evening at the Medical School at hours to be announced.

DECEMBER.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Med. (c) M. G. H.	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.'	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (2 hours)	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (1 hour)	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.).
10	Wadsworth — Clinic. Eye diseases (s) E. & E. Inf. (2 hrs.)	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours)	Farlow — Clinic. Throat diseases (s) B. D. (2 hours).
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Lecture. Laryngology (s) M. G. H. (2 hours)
		White — Clinic. *Skin diseases* (s) M. G. H.		Burrell — Clin. Lect. Surgery (c) B. C. H.	White — Clinic. *Skin diseases* (s) M. G. H.	
	Surgical Clinic (c) M. G. H.					
11	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surg. Clinic (c) B. C. H.	Post — Clinic. Syphilis (c) B. D.	Surgical oper. (c) M. G. H.
			C. B. Porter. Diagnosis in Clin. Surgery (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	Harrington — Lab. *Hygiene* (c) M. S.	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	Bryant — Recit. Anatomy of Ear (s) M. S. (2 hours)	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours).	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
	Ernst — Lecture. *Bacteriology* (c) M. S. (2 hours)		Ernst — Lab. *Bacteriology* (c) M. S. (2 hours)		Ernst — Lab. *Bacteriology* (c) M. S. (2 hours)	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	Blake or J. O. Green — Lecture. Otology (c) M. S.	Bradford — Lecture. Orthopedic Surg. (s) M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Blake or J. O. Green — Lect. Otology (c) M. S.	Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s). Ch. H.
	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	*Gynecol. Conference.* M. S.	Wadsworth — Lect. Ophthalmology (c) M. S.			
5	C. M. Green — Lect. and Demonstration. *Oper. Obstetrics* (c) M. S.	C. B. Porter. *Dem. Oper. Surg.* (c) M. S.	*M. H. Bichardson. Regional Surgery. Lect. Room C.	*M. H. Richardson. Regional Surgery, Lect. Room C.	C. B. Porter. *Dem. Oper. Surg.* (c) M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

* Provisional.

JANUARY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Draper — Autopsy. Legal Medicine (c) B. C. H.
		C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (2 hours)	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)	Putnam — Clinic. *Nervous diseases* (c) M. G. H. (1 hour)	Blake — Clinic. Ear diseases (s) E. & E. Inf. (2 hrs.)
10	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.	Wadsworth — Clinic. Eye diseases (s) Eye & Ear Inf.	Cheney — Clinic. Eye diseases (s) Eye & Ear Inf.	Standish — Clinic. Eye diseases (s) Eye & Ear Inf.
	DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)		DeBlois — Clinic. Throat diseases (s) B. C. H. (2 hours)	
	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Clinic. Throat diseases (s) M. G. H. (2 hours)	Coolidge — Lecture. Laryngology (s) M. G. H.
		White — Clinic. *Skin diseases* (s) M. G. H.		Burrell — Lecture. Clinical Surgery (c) B. C. H.	White — Clinic. *Skin diseases* (s) M. G. H.	
	Surgical Clinic (c) M. G. H.					
11	Post — Clinic. Syphilis (s) B. D.		Post — Clinic. Syphilis (s) B. D.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H. (2 hours)
			Porter — Diagnosis in Clinical Surg. (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	C. B. Porter — Lect. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D.	Watson — Clin. Lect. Genito-urin. Surg. (c) B. C. H.		
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours).	Harrington — Lab. *Hygiene* (c) M. S.	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
3		Draper — Lecture. Legal Medicine (c) M. S.		Draper — Lecture. Legal Medicine (c) M. S.		
4	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	Bradford — Lecture. Orthopedic Surg. (c) M. S.	Wadsworth — Lect. Ophthalmology (c) M. S.		Clinical Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.
		Gynecol. Conference. M. S.	Bradford — Clinic. Orthopedic Surg. (s) Ch. H.	*M. H. Richardson. Regional Surgery. Lect. Room C.		
5	Demonstrations in *Oper. Obstetrics* (c) M. S. (2 hours).	*M. H. Richardson. Regional Surgery. Lect. Room C.	Demonstrations in *Oper. Obstetrics* (c) M. S. (2 hours).			
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

* Provisional.

FEBRUARY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	
	J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)	
10	Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Burrell — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.
		White — Clinic. *Skin diseases* (s) M. G. H.		Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	White — Clinic. *Skin diseases* (s) M. G. H.	
	Surgical Clinic (c) M. G. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.				
11	Post — Clinic. Syphilis (s) B. D.	Gannett — Clinic. Cardiac dis. (c) M. G. H.	Post — Clinic. Syphilis (s) B. D.		Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.	Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.
	Cabot — Clinic. Genito-urin. Surg. (s) M. G. H.		M. H. Richardson. Diagnosis in Clinical Surgery (s) M. G. H.		Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
				Surgical Clinic (c) B. C. H.	Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.		Post — Lecture. Syphilis (c) B. D. (To Feb. 15.)			
	Knapp — Clinic. *Nervous diseases* (c) B. C. H.		Knapp — Clinic. *Nervous diseases* (c) B. C. H.			
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
3			Durgin — Lecture. Municip. Sanita. (c) M. S.	Cowles — Clinic. Mental diseases (c) McL. H.	Durgin — Lecture. Municip. Sanita. (c) M. S.	Fisher — Clinic. Mental diseases (c) B. L. H.
4	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Homans — Lecture. Ovar. Tumors (c) M. S.		Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (c) Ch. H.
		Gynecol. Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.			
5	Dem. *Oper. Obstetrics* (c) M. S. (2 hours)		Dem. *Oper. Obstetrics* (c) M. S. (2 hours)			
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

MARCH.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	
	J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		J. O. Green — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)	
10	Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Burrell — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.
		White — Clinic. *Skin diseases* (s) M. G. H.		Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	White — Clinic. *Skin diseases* (s) M. G. H.	
	Surgical Clinic (c) M. G. H.	Bradford — Clinic. *Orthopedic Surg.* (c) Ch. H.				
11	Post — Clinic. Syphilis (s) B. D.	Gannett — Clinic. Cardiac dis. (c) M. G. H.	Post — Clinic. Syphilis (c) B. D.		Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.	Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.
	Cabot — Clinic. Genito-urin. Surg. (c) M. G. H.			Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
			M. H. Richardson. Diagnosis in Clinical Surgery (s) M. G. H.		Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.		Knapp — Clinic. *Nervous diseases* (c) B. C. H.			
	Knapp — Clinic. *Nervous diseases* (c) B. C. H.					
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
3			Durgin — Lecture. Municip. Sanita. (c) M. S.	Cowles — Clinic. Mental diseases (c) McL. H.	Durgin — Lecture. Municip. Sanita. (c) M. S.	Fisher — Clinic. Mental diseases (c) B. L. H.
4	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Homans — Lecture. Ovar. Tumors (c) M. S. (2 weeks)		Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.
		Gynecol. Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.			
5		Davenport — Dem. *Oper. Gynecol.* (c) M. S.			Davenport — Dem. *Oper. Gynecol.* (c) M. S.	
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

APRIL.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)
		Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)		
10	Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.	Wadsworth — Clinic *Eye diseases* (c) B. C. H.	Gay — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.
	Surgical Clinic (c) M. G. H.	White — Clinic. *Skin diseases* (s) M. G. H.		Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	White — Clinic. *Skin diseases* (s) M. G. H.	
		Bradford — Clinic. *Orthopedic Surg.* (c) Ch. H.				
11					Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.	Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.
	Post — Clinic. Syphilis (s) B. D.	Gannett — Clinic. Cardiac diseases (c) M. G. H.	M. H. Richardson. Lecture. Diag. in Cl. Surg. (s) M. G. H.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c) M. G. H.
	Cabot — Clinic. Genito-urin. Surg. (c) M. G. H.		Post — Clinic. Syphilis (s) B. D.		Surgical oper. (c) B. C. H.	

12	M. H. Richardson. Lecture. Clinical Surgery (c) M. G. H.		Knapp — Clinic. *Nervous diseases* (c) B. C. H.			
	Knapp — Clinic. *Nervous diseases* (c) B. C. H.					
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
3				Cowles — Clinic. Mental diseases (c) McL. H.		Fisher — Clinic. Mental diseases (c) B. L. H.
4	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.		Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) C. H.
		Gynecol. Conference. M. S.				
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

MAY.

	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
9	Shattuck — Clinic. Clinical Medicine (c) M. G. H.	Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)	Surgical Clinic (c) B. C. H.	Mason — Clinic. Clinical Medicine (c) B. C. H.		Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.).
		C. M. Green — Clinic. *Women's dis.* (s) B. C. H.		Blake — Clinic. *Ear diseases* (c) E. & E. Inf. (2 hrs.)	C. M. Green — Clinic. *Women's dis.* (s) B. C. H.	
10	Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Gay — Lecture. Clinical Surgery (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) B. C. H.	Wadsworth — Clinic. *Eye diseases* (c) M. G. H.
	Surgical Clinic (c) M. G. H.	White — Clinic. *Skin diseases* (s) M. G. H.		Wadsworth — Clinic. *Eye diseases* (c) Eye & Ear Inf.	White — Clinic. *Skin diseases* (s) M. G. H.	
		Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.				
11					Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.	Walton — Clin. Lect. *Nervous diseases* (c) M. G. H.
	Post — Clinic. Syphilis (s) B. D.	Gannett — Clinic. Cardiac diseases (c) M. G. H.	M. H. Richardson. Diagnosis in Clinical Surgery (s) M. G. H.	Surgical Clinic (c) B. C. H.	Post — Clinic. Syphilis (s) B. D.	Surgical oper. (c). M. G. H.
	Cabot — Clinic. Genito-urin. Surg. (c) M. G. H.		Post — Clinic. Syphilis (s) B. D.		Surgical oper. (c) B. C. H.	

12	Knapp — Clinic. *Nervous diseases* (c) B. C. H.		Knapp — Clinic. *Nervous diseases* (c) B. C. H.			
2	W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)		W. T. Porter — Lab. *Exper. Physiol.* (s) M. S. (2 hours)	
	Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.		Whitney — Lab. Clin. Microscopy (s) M. S.	
3			Cooking School. (c)		Cooking School. (c)	
4	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.	Bradford — Clinic *Orthopedic Surg.* (s) Ch. H.		Clinical Conference. M. S.	Bradford — Clinic. *Orthopedic Surg.* (s) Ch. H.
		Gynecol. Conference. M. S.				
7.30	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.	Accident-room Clinic (s) M. G. H.

SUMMER COURSES.

During the summer of 1895, courses, chiefly clinical, were given by the instructors of the Medical School to the following-named students: —

STUDENTS.

Adams, William Gray,	Hyde Park.
Allen, Freeman, A.B. 1893,	Boston.
Allen, Seabury Wells, A.B. 1891,	Boston.
Badger, George Sherwin Clark, A.B. (*Yale Univ.*) 1892,	Boston.
Baketel, Harrie Sheridan, M.D. (*Dartmouth Coll.*) 1895,	Hanover, N. H.
Bartlett, Joseph Charles, A.B. (*Yale Univ.*) 1892, A.M. (*Ibid.*) 1894, M.D. (*Ibid.*) 1895,	New Haven, Conn.
Blodgett, John Hammond,	Boston.
Breneman, Henry Kendig,	San Antonio, Texas.
Broughton, Arthur Nicholson, A.B. 1893,	Jamaica Plain.
Butler, Henry Rutherford, A.M. (*Lincoln Univ.*) 1887, M.D. (*Meharey Med. Coll.*) 1890,	Atlanta, Ga.
Carroll, Thomas Francis,	Roxbury.
Catlin, Sanford Robinson, PH.B. (*Beloit Coll.*) 1893,	Rockford, Ill.
Chamberlain, Weston Percival, A.B. (*Bowdoin Coll.*) 1893,	Bristol, Me.
Clark, Joseph Eddy, M.D. 1882,	Medford.
Collin, Carl Oscar Louis,	Boston.
Connolly, John Matthew, A.M. (*Holy Cross Coll.*) 1892,	Waterbury, Conn.
Conroy, Peter John, M.D. (*Univ. of Vt.*) 1882,	Everett.
Cooley, Thomas Benton, M.D. (*Univ. of Mich.*) 1895,	Boston.
Craig, William Fairfield, PH.B. (*Mass. Coll. of Pharm.*) 1890,	Lynn.
Cutler, Edward Rowland, M.D. 1863,	Waltham.
Cutler, James Tucker, M.D. 1894,	Roxbury.
Daly, William Joseph, M.D. 1895,	Boston.
Davis, William Horace, A.B. 1893,	Holyoke.
Donoghue, Francis Dennis, M.D. 1894	Boston.
Easton, Elwood Tracy,	Rockland.
Emery, George Edwin,	Leominster.
Fitzsimmons, Philip Mansfield, M.D. (*Univ. of Vermont*) 1892,	E. Cambridge.

Foss, John William, M.D. (*Am. Health Univ.*) 1894,	Boston.
Friedman, Leo Victor,	Toledo, O.
Furfey, James Austin, D.M.D. 1895,	Beverly.
Gallison, Jefferson Cushing, M.D. (*Univ. of Mich.*) 1888,	Boston.
Gordinier, Hermon Camp, M.D. (*Albany Med. Coll.*) 1886, A.M. (*Williams Coll.*) 1893,	Albany, N. Y.
Gilbert, Louis Whitmore, A.B. 1893,	Cambridge.
Gleason, Benjamin Whitney, B.L. (*Norwich Univ.*) 1892,	Brookline.
Gray, Hugh Barr,	Boston.
Greene, Charles Lyman, M.D. (*Univ. of Minn.*) 1890,	St. Paul, Minn.
Haines, Ignatius,	Cambridge.
Harvey, John Franklin, Jr.,	Boston.
Hawkins, Joseph Francis,	Providence, R. I.
Hinckley, Donald Rose, A.B. (*Yale Univ.*) 1892,	Northampton.
Holmes, H. C.,	Boston.
Huck, Marie Estelle,	Austin, Texas.
Knight, Charles Storer,	Deering, Me.
Lakeman, Mary Ropes, M.D. (*Boston Univ.*) 1895,	Salem.
Langdon, Francis Eustis,	Portsmouth, N. H.
Lawbaugh, Elmer Arthur, PH.B. (*Yale Univ.*) 1893, M.D. (*Ibid.*) 1895,	New Haven, Conn.
Lawrence, Joseph Henry, M.D. (*Bellevue Med. Coll.*) 1892,	Brockton.
Leary, Timothy, Jr.,	Waltham.
Littig, Marquis, D.M.D. 1895,	Davenport, Iowa.
McCarthy, Thomas Horatio, M.D. 1890,	Brockton.
McCormick, Cornelius Joseph, M.D. 1876,	Waltham.
McDonnough, Raimond Edgar,	Bath, Me.
McKenty, John Edmund, M.D. (*McGill Coll.*) 1892,	Waltham.
McKenna, James Thomas, A.M. (*Williams Coll.*), 1887,	Boston.
McKey, Charles,	E. Boston.
McLaren, Alexander Lorne,	E. Boston.
Madden, William Daniel, A.B. (*Mt. St. Mary's Coll.*) 1891, M.D. 1894,	Boston.
Maguire, Charles Francis, A.B. (*Boston Coll.*) 1893,	Somerville.
Mansfield, James Albert, PH.G. (*Mass. Coll. of Pharm.*) 1889,	Roxbury.
Marvin, Grace, M.D. (*Boston Univ.*) 1890,	Roxbury.
Merrill, Stephen Douglas,	Boston.
Mitchell, Arthur, M.D. (*Boston Univ.*) 1886,	Medfield.

No.	Subject.	Instructor.	Place.	No. of Exercises.	Begins.	Ends.	Days.	Hour.	Fee.
1	Anatomy of the Brain	Dr. Dexter	Medical School	12	July 1	July 26	Mo. We. Fr.	10	20.00
2	Anatomy of the Ear [a]	Dr. Bryant	Medical School	13	Aug. 2	Aug. 30	Mo. We. Fr.	2	20.00
3	Histology and Microscopy [b]	Dr. Ames	Medical School	18	July 15	Aug. 16	Mo. We. Fr.	3	20.00
4	Clinical Microscopy [a]	Dr. Whitney	Mass. Gen. Hosp.	17	June 1	June 29	Tu. We. Fr. Sat.	11.30	15.00
5	Clinical Microscopy	Dr. Whitney	Mass. Gen. Hosp.	18	July 1	July 31	Tu. We. Fr. Sat.	11.30	15 00
6	Clinical Microscopy	Dr. Whitney	Mass. Gen. Hosp.	16	Sept. 3	Sept. 28	Tu. We. Fr. Sat.	11.30	15.00
7	Chemistry [c] [d]	Dr. Hills	Medical School	30	June 24	July 27	Daily	10	30.00
8	Medical Chemistry [d] [e]	Dr. Ogden	Medical School	30	July 1	Aug. 3	Daily	1	30.00
9	Pathological Anatomy [f]	Dr. Taylor	Medical School	14	July 1	July 31	Mo. We. Fr.	3	20.00
10	Pathology of Infectious Diseases [a]	Dr. Wright	Medical School	27	June 20	July 20	Daily	2	25.00
11	Clinical Medicine	Dr. Gannett	Mass. Gen. Hosp.	21	July 1	Aug. 16	Mo. We. Fr.	9	20.00
12	Clinical Medicine	Dr. Gannett	Mass. Gen. Hosp.	19	Aug. 19	Sept. 30	Mo. We. Fr.	9	20.00
13	Clinical Medicine	Dr. Withington	City Hospital	13	Sept. 2	Sept. 30	Mo. We. Fr.	10.30	15.00
14	Clinical Medicine [a] [g]	Dr. Vickery	Mass. Gen. Hosp.	12	June 3	June 28	Mo. We. Fr.	10	15.00
15	Clinical Medicine	Dr. Bowditch	City Hospital	16	June 4	July 26	Tu. Fr.	10	20.00
16	Orthopedic Surgery	Dr. Bradford	Children's Hosp.	18	July 1	Aug. 28	Mo. We.	4	20.00
17	Clinical and Operative Surgery	Dr. Mixter	Mass. Gen. Hosp.	25	June 4	July 30	Tu. Th. Sat.	11	25.00
18	Clinical and Operative Surgery	Dr. Mixter	Mass. Gen. Hosp.	25	Aug. 1	Sept. 26	Tu. Th. Sat.	11	25.00
19	Clinical and Operative Surgery [a]	Dr. Monks	City Hospital	13	Aug. 2	Aug. 30	Mo. We. Fr.	10	20.00
20	Clinical and Operative Surgery [a]	Dr. Monks	City Hospital	13	Sept. 2	Sept. 30	Mo. We. Fr.	10	20.00

21	Genito-Urinary Surgery	Dr. Watson	City Hospital	13	June 1	June 29	Tu. Th. Sat.	11	20.00
22	Clinical and Operative Surgery [a]	Dr. Conant	Carney Hospital	20	July 3	Aug. 16	Mo. We. Fr.	10	25.00
23	Clinical and Operative Surgery [a]	Dr. Conant	Carney Hospital	19	Aug. 19	Sept. 30	Mo. We. Fr.	10	25.00
24	Clinical and Abdominal Surgery [a]	Dr. Conant	Charity Hospital	13	June 6	July 30	Tu. Th.	10	25.00
25	Clinical and Abdominal Surgery [a]	Dr. Conant	Charity Hospital	17	Aug. 1	Sept. 26	Tu. Th.	10	25.00
26	Intubation of the Larynx [a h n]	Dr. Scudder	Medical School	3	July	Aug.			10.00
27	Surg. Apparatus and Bandaging [a i n]	Dr. Scudder	Medical School	10	July 8	July 18	Daily		15.00
28	Minor Surgery	Dr. C. A. Porter	Mass. Gen. Hosp.	13	July 2	July 30	Tu. Th. Sat.	10	20.00
29	Minor Surgery	Dr. C. A. Porter	Mass. Gen. Hosp.	13	Aug. 2	Aug. 30	Mo. We. Fr.	10	20.00
30	Minor Surgery	Dr. C. A. Porter	Mass. Gen. Hosp.	12	Sept. 3	Sept. 28	Tu. Th. Sat.	10	20.00
31	Minor Surgery	Dr. Brooks	Mass. Gen. Hosp.	14	July 1	July 31	Mo. We. Fr.	10	15.00
32	Minor Surgery	Dr. Brooks	Mass. Gen. Hosp.	14	Aug. 1	Aug. 31	Mo. Th. Sat.	10	15.00
33	Minor Surgery	Dr. Brooks	Mass. Gen Hosp.	13	Sept. 2	Sept. 30	Mo. We. Fr.	10	15.00
34	Clinical Obstetrics	Dr. Green	Lying-in Hosp.	45	June 1	July 31			30.00
35	Clinical Obstetrics	Dr. Green	Lying-in Hosp.	45	Aug. 1	Sept. 30			30.00
36	Clinical Obstetrics [a]	Dr. Townsend	Lying-in Hosp.	8	Sept. 2	Sept. 27	Mo. Fr.	12	15.00
37	Clinical Obstetrics [a]	Dr. Haven	Lying-in Hosp.	9	July 1	July 29	Mo. Fr.	11	15.00
38	Operative Obstetrics	Dr. Haven	Medical School	11	July 8	July 19	Daily	4	20.00

[a] Class-membership limited.

[b] A small charge will be made for laboratory supplies.

[c] A satisfactory examination passed at the end of this course will be accepted in place of the admission examination in Chemistry.

[d] A deposit of five dollars will be required to meet charges for supplies and broken apparatus.

[e] Each exercise is of two hours' duration.

[f] Of the Nervous System only.

[g] Men and Children only.

[h] Practice on cadaver.

[i] Fractures and dislocations especially included.

[n] Time of exercises to be arranged later.

No.	Subject.	Instructor.	Place.	No. of Exer-cises.	Begins.	Ends.	Days.	Hour.	Fee.
39	Diseases of Children [i]	Dr. Buckingham	Children's Hosp.	18	June 1	July 30	Mo. Th. Sat.	10	20.00
40	Diseases of Children [k]	Dr. Wentworth	Children's Hosp.	18	Aug. 1	Sept. 28	Daily	10	20.00
41	Diseases of the Ear	Dr. Blake	Eye and Ear Inf.	12	Sept. 3	Sept. 28	Tu. Th. Sat.	9	12.00
42	Diseases of the Eye [a]	Dr. Standish	Eye and Ear Inf.	13	July 2	July 30	Tu. Th. Sat.	10	20.00
43	Diseases of the Eye	Dr. Cheney	Eye and Ear Inf.	22	June 12	July 31	Mo. We. Fr.	9	20.00
44	Diseases of the Larynx	Dr. Farlow	City Hospital	13	June 3	July 12	Mo. We. Fr.	10	20.00
45	Diseases of the Nervous System	Dr. Walton	Mass. Gen. Hosp.	12	Sept. 3	Sept. 28	Tu. Th. Sat.	10	20.00
46	Diseases of the Skin	Dr. Bowen	Mass. Gen. Hosp.	20	July 2	Aug. 15	Tu. Th. Fr.	10	20.00
47	Diseases of the Skin	Dr. Bowen	Mass. Gen. Hosp.	20	Aug. 15	Sept. 27	Tu. Th. Fr.	10	20.00
48	Diseases of Women	Dr. Haven	City Hospital	12	Sept. 3	Sept. 28	Tu. Th. Sat.	10	20.00
49	Diseases of Women	Dr. Washburn	Women's Free Hos.	12	July 1	Aug. 8	Mo. Th.	3.30	20.00
50	Diseases of Women	Dr. Washburn	Women's Free Hos.	12	Aug. 12	Sept. 19	Mo. Th.	3.30	20.00
51	Diseases of Women [a] [m]	Dr. Burrage	St. Elizabeth's Hos.	13	June 3	July 15	Mo. Th.	10	25.00
52	Diseases of Women [a] [m]	Dr. Burrage	St. Elizabeth's Hos.	13	July 18	Aug. 29	Mo. Th.	10	25.00
53	Bacteriology [a]	Dr. Ernst	Medical School	36	July 1	Aug. 10	Daily	3	30.00
54	Hygiene	Dr. C. Harrington	Medical School	36	July 1	Aug. 10	Daily.	3	30.00
55	Municipal Sanitation	Dr. Durgin	Medical School	14	July 1	July 31	Mo. We. Fr.	3	20.00
56	Practical Therapeutics [a]	Dr. Tenney	Boston Dispensary	20	July 8	Aug. 21	Mo. We. Fr.	10	20.00
57	Clinical Pathology	Dr. E. W. Dwight	City Hospital	14	Aug. 1	Aug. 31	Tu. Th. Sat.	10	15.00
58	Clinical Pathology	Dr. E. W. Dwight	City Hospital	12	Sept. 3	Sept. 28	Tu. Th. Sat.	10	15.00

59	Clinical and Abdominal Surgery	Dr. Elliot	Mass. Gen. Hosp.	21	June 3	July 19	Mo. We. Fr.	11	15.00
60	Clinical Surgery	Dr. F. B. Harrington	Mass. Gen. Hosp.	18	July 2	Aug. 30	Tu. Fr.	11	20.00
61	Surgery of Children [a]	Dr. Lovett	Children's Hosp.	13	Aug. 17	Oct. 1	Tu. Sat.	4	20.00
62	Genito-Urinary Surgery [a]	Dr. Thorndike	City Hospital	13	Aug. 2	Aug. 30	Mo. We. Fr.	10	20.00
63	Genito-Urinary Surgery [a]	Dr. Thorndike	City Hospital	13	Sept. 2	Sept. 30	Mo. We. Fr.	10	20.00
64	Practical Pharmacy [e]	Dr. C. Harrington and Mr. Jordan	Medical School	12	July 1	July 26	Mo. We. Fr.	4	20.00
65	Practical Pharmacy [e]		Medical School	12	July 29	Aug. 23	Mo. We. Fr.	4	20.00
66	Pathological Histology	Dr. Mallory	Medical School	25	July	Aug.	n	n	20.00
67	Pathological Anatomy	Dr. Mallory	City Hospital	20	July 20	Aug. 20	n	n	20.00

[a] Class-membership limited. [e] Each exercise is of two hours' duration.

[j] A course will be of six weeks' duration and the class may be joined at any time before June 20.

[k] A course comprises eighteen exercises and the class may be joined at any time before August 19.

[l] Minor Gynecology. [m] Operative Gynecology. [n] Time of exercises to be arranged later.

Moore, John Henry,	Pittsfield, Ill.
Mosher, Harris Peyton, A.B. 1892,	Brookline.
Odiorne, Walter Burlingame,	Cambridge.
O'Sullivan, John Joseph,	Lawrence.
Pearce, Edward Allen, A.B. 1888, M.D. 1892,	Boston.
Peirce, Frederic Joseph,	Atlantic.
Randall, Arthur Theodore, M.D. (*Chicago Med. School*) 1895,	Chicago.
Reilly, James Aloysius,	So. Boston.
Rice, Alger William, M.D. (*Univ. of N. Y.*) 1880,	Montpelier, Vt.
Ringwalt, John Scheaffer, Jr.,	Boston.
Robins, Charles Russell, M.D. (*Med. Coll. of Va.*) 1894,	Chelsea.
Rustin, Frederick, PH.B. (*Yale Univ.*) 1895,	Omaha, Neb.
Ryerson, Edwin Warner,	Chicago, Ill.
Silbert, Joseph,	Boston.
Smith, William Henry, A.B. (*Brown Univ.*) 1892,	Boston.
Smyth, Herbert Edmund, M.D. (*McGill Univ.*) 1885,	Marlboro'.
Spalding, Fred Maurice, A.B. 1893,	Cambridge.
Spooner, Henry Garrettson, A.B. 1894,	Boston.
Stack, Charles Francis, A.B. (*Boston Coll.*) 1893,	Hyde Park.
Stetson, Frank Eliot, A.B. 1893,	New Bedford.
Stubbs, Frank Raymond, A.B. 1893,	Cambridgeport.
Tirrell, Vinson Meader, PH.G. (*Mass. Coll. of Pharm.*) 1887, M.D. (*Coll. of Phys. and Surg.*) 1882,	So. Weymouth.
Walton, William Joseph, D.M.D. 1894,	Dorchester.
Welch, Harry Little, B.A. (*Yale Univ.*) 1894,	New Haven, Conn.
White, Leon Edward, A.B. (*Dartmouth Coll.*) 1890, M.D. (*Ibid.*) 1893,	Roxbury.
Whittier, Frank Nathaniel, A.B. (*Bowdoin Coll.*) 1885, A.M. (*Ibid.*) 1888, M.D. (*Ibid.*) 1889,	Brunswick, Me.
Whiteside, George Shattuck,	Boston.

EXAMINATION PAPERS.

(Annual Examination, 1895.)

First Year's Studies.

DESCRIPTIVE ANATOMY. — Professor DWIGHT.

1. Describe the inner wall of the orbit.
2. Describe the lower end of the femur.
3. Describe the deltoid and the pectoralis major, giving the nerve supply.
4. Describe the surface of the tongue.
5. Describe the ulnar nerve, origin, relations, and distribution.
6. Describe the caecum.
7. Describe the innominate veins.

PHYSIOLOGY. — Professor BOWDITCH.

[Number the answers to the questions without copying the questions themselves. Do not number the pages of the book. Answer the questions in order, writing on each page in succession.]

1. What constituents of meat does a clear soup contain and what is its nutritive value?
2. Explain the action of relishes and condiments.
3. What is the function of the stomach?
4. What is the difference between blood-serum and blood-plasma?
5. Explain the character and cause of the heart-sounds.
6. What is meant by the "internal secretion" of glands? Give examples.
7. What is glycogen? Where is it found and how does it appear to be useful?
8. Explain the importance of afferent nerve impulses for the production of voluntary motions.
9. Explain the phenomenon of irradiation.
10. Give examples of anabolic processes taking place in the animal body.
11. What is urea? Where formed? Where excreted? What is its relation to muscular work?
12. What is residual air? How is its amount measured?

GENERAL CHEMISTRY. — Professor W. B. Hills.

1. What is the meaning of the terms, atomic weight and molecular weight?

2. What is the significance of the terminations "ous" and "ic" as applied to acids? How are the corresponding salts designated?

3. What information does the equation

$$AgNO_3 + NaCl = AgCl + NaNO_3$$

give in regard to the process represented by it?

4. Manufacture of nitrous oxide? Properties?

5. Sources of carbon dioxide? What is the amount of carbon dioxide in the atmosphere normally?

6. From what are the following obtained: (*a*) iodine; (*b*) phosphorus; (*c*) hydrochloric acid; (*d*) nitric acid; (*e*) ammonium compounds?

7. What are alloys? Amalgams?

8. Describe corrosive sublimate. Uses?

9. Action of acids upon platinum? Name substances which should not be heated in platinum dishes.

10. Properties of gold? Uses? What is the effect on gold of alloying with it: (*a*) copper; (*b*) silver?

$$Ag = 108,\ Na = 23,\ Cl = 35.5,\ N = 14,\ O = 16.$$

MEDICAL CHEMISTRY. — Professor W. B. Hills.

1. Explain the classification of organic compounds in homologous series. Why, in such a series, is the common difference always CH_2 or some multiple thereof?

2. What are amido-acids? Caproic acid $= C_5H_{11}, COOH$; write the formula of amido-caproic acid.

3. In what respects does cane sugar differ from glucose? What change takes place when cane sugar is "inverted"? How may this inversion be effected?

4. Where in the system and from what is indol formed? Through what channels is it eliminated and in what combinations?

5. What is the reaction of the mixed normal urine of twenty-four hours? To what is it due? What changes take place in normal urine upon standing?

6. Describe the hypobromite method for the quantitative estimation of urea in urine. What is the principle of the process?

7. Describe Gmelin's test for bile pigments. What are the best methods of application to the urine?

8. What changes take place in the physical and chemical properties of the urine in cases of carbolic acid poisoning? Explain.

9. You are given a specimen of urine containing an abundant sediment consisting chiefly of normal blood corpuscles. How must such a sediment

be treated, in order that the detection of other elements, if present, may be assured?

10. How distinguish between amorphous phosphates and amorphous urates? Hexagonal crystals of uric acid, and cystin? Mention all the microscopic appearances of calcic oxalate.

HISTOLOGY. — Professoı C. S. Minot.

[Three specimens numbered to correspond with the questions below are given to each student. Students are expected to make simple drawings, sufficient to show that they have correctly identified the parts.]

Note. — The sections given were: 1, the bladder; 2, the liver; 3, the spinal cord stained by the Golgi method.

1. What is the organ? Draw the epithelium.

2. What is the organ? Draw the capillaries and the cells between them.

3. Draw a nerve cell. In what part of the section is the cell drawn situated?

BACTERIOLOGY. — Professor Ernst.

1. What are "Koch's laws" for showing the relationship of a bacterium to a disease process?

2. What are anaërobic bacteria and how may this property be roughly determined?

3. What bacteria are most difficult to destroy and why?

4. How do the bacteria produce their effects?

Second Year's Studies.

ADVANCED ANATOMY. — Professor Dwight.

1. The prævesical space.

2. The relations of the tonsil.

3. The course of the longitudinal and lateral sinuses, with reference to external landmarks.

4. The situations and relations of the pancreas and its blood supply.

5. The veins of the spinal canal and thoracic walls.

6. The inguinal canal.

PATHOLOGY. — Professor Councilman.

1. What condition of the heart is found associated with aortic stenosis? What condition is associated with mitral stenosis?

2. In what part of the heart is aneurism most apt to appear and what condition of the heart may precede it?

3. What is the essential pathological condition in cirrhosis of the liver and what macroscopic changes may it produce?

4. What is the condition of the lung in broncho-pneumonia and with what diseases is this usually associated in children, and why?

5. Describe the structure of a miliary tubercle.

6. What are the principal varieties of sarcoma and describe the character of the cells in each?

7. In what lymph glands would you expect to find metastases in carcinoma of the glans penis?

8. What is the difference between carcinoma and adenoma?

9. With what patholigical condition of the heart is infarction of the lung generally associated and for what reason?

10. What are the two organisms which most frequently produce suppuration and what is the general character of the suppuration produced by each?

11. What organisms are most frequently the cause of acute endocarditis?

12. What is granulation tissue and why is it so called?

13. With what diseases is amyloid infiltration frequently associated?

14. What are the tests for amyloid?

15. Describe the conditions which may be produced in the kidney by tuberculosis?

16. Describe the mode of formation of an abscess of the kidney of a rabbit produced by the injection of staphylococci into the ear vein.

17. Describe the appearances and the mode of formation of typhoid and tuberculous ulcers of the intestine.

THERAPEUTICS. — Dr. C. Harrington.

1. Mention the different uses of mustard and give methods of application. What is the difference between a cerate and an ointment? What is the action of extract of malt?

2. Describe the action of digitalis and explain its effects in mitral stenosis and insufficiency.

3. Why administer Gallic acid rather than Tannic internally? What is the emetic dose of copper sulphate? Write a prescription of sulphate of zinc (two grains), in four ounces of an aqueous solution of boracic acid (three per cent.). What is oleum phosphoratum?

4. Physiological action of the bromides. Uses. What is bromism? Describe the symptoms. Write a prescription for bromide of potassium with a vehicle to cover the taste.

5. How does ammonia affect the circulation, respiration, and reflexes? Why not use ammonia as an indirect antacid?

6. Belladonna. Chief physiological effects and principal uses.

7. Compare chloral, sulphonal, and trional. What is the action of aloes on the pelvic organs? How would you make the urine acid?

8. Write prescriptions for
    - *a.* Vegetable cathartic pills.
    - *b.* Compound jalap powder.
    - *c.* Wine of ipecac.
    - *d.* Chalk mixture.
    - *e.* Fowler's solution.
9. Describe
    - *a.* Iodide of potassium.
    - *b.* Acetate of potassium.
    - *c.* Terebene.
    - *d.* Calomel.
    - *e.* Camphor.
10. Composition of
    - *a.* Paregoric.
    - *b.* Compound infusion of senna.
    - *c.* Compound syrup of squills.
    - *d.* Dover's powder.
    - *e.* Compound rhubarb powder.

CLINICAL CHEMISTRY. — Professor WOOD.

1. Mention all the causes of polyuria.

2. Define the terms suppression of urine; obstructive suppression of urine; retention of urine. Causes of each?

3. In what kidney diseases may the daily quantity of urine secreted be diminished? How distinguish between them?

4. Character of the urine in subacute nephritis? Typhoid fever? Acute peritonitis?

5. Discuss the following specimens, giving reasons for the inferences which may be drawn from them.

Case A. —
Normal   Acid.   Sp. Gr. = 1019½.   Slight sediment.
Uph. = —. $\overset{+}{\mathrm{U}}$. = n.   Cl. = n.   E. P. = n.
Ind. = n. $\overline{\mathrm{U}}$. = +.   Sf. = n.   A. P. = n.

Alb. = very slight trace. Bile and sugar absent.

Sediment = few hyaline casts; an occasional granular cast; rarely a cast seen with few blood and oil globules and renal cells adherent; few free renal cells and blood globules.

Quantity of urine in 24 hours = 1580 cc.
" " urea " " " = 31.916 grms.
" " chlorine " " " = 10.225 "
" " P_2O_5 " " " = 3.495 "

6. *Case B.* —
Pale.   Acid.   Sp. Gr. = 1005.   Slight sediment.
Uph. = m —. $\overset{+}{\mathrm{U}}$. = m —.   Cl. = —.   E. P. = —.
Ind. = sl. —. $\overline{\mathrm{U}}$. = n.   Sf. = —.   A. P. = —.

Alb. = $\frac{1}{10}$ percent. Bile and sugar absent

Sediment = considerable number of hyaline and finely-granular casts, many with oil globules and fatty renal cells adherent; an occasional small highly refracting cast.

Quantity of urine in 24 hours = 2660 cc.
" " urea " " " = 18.620 grms.
" " chlorine " " " = 4.765 "
" " P_2O_5 " " " = 1.125 "
" " albumin " " " = 2.660 "

7. Symptoms of chronic lead poisoning?

8. Symptoms and post-mortem appearances in strychnine poisoning?

Third Year's Studies.

OBSTETRICS. — Professor W. L. RICHARDSON.

1. What is the allantois?

2. Give the signs and symptoms which point to the death of the foetus in utero during the sixth month.

3. A primigravida at eight and one half months, having had a frontal headache for several days, is seized with severe epigastric pain. An examination of the urine shows the twenty-four hours' amount to be twelve ounces, a decided trace of albumen, urea diminished and some blood. There are no signs of labor. Treatment?

4. Breech presentation. Position S. L. A. What is the normal mechanism? How would you conduct the case?

5. Differential diagnosis between rupture of the uterus during a case of labor and a placental detachment with internal concealed haemorrhage?

6. A primipara has been twenty-four hours in labor. The head which is not engaged presents at the pelvic brim. The membranes are ruptured. The os is fully dilated, The patient is exhausted; her pulse being 120, the temperature 99°. The foetal heart, which twelve hours ago was 120, is now 160. The urine is somewhat scanty. An examination of the pelvis shows an antero-posterior diameter of the superior strait of three and one-half inches. Treatment?

7. A multipara has been in labor five hours. The membranes are ruptured. The right hand and a loop of a pulsating cord are found in the vagina. Treatment?

8. On the sixth day after delivery the uterus was curetted for a slight septic endometritis. The temperature fell to normal and the patient did well until the twentieth day when the temperature rose to 101° and the patient complained of pain in the right groin. There was tenderness over the right femoral canal. Nothing else abnormal. Describe the probable future of the case with the treatment.

9. Mammary abscess. Etiology and treatment.

10. Treatment of puerperal septicaemia?

SURGERY. — Professor WARREN.

1. Give several examples of surgical hyperaemia.

2. Describe the process which causes necrosis of bone.

3. Hemorrhage. What are the different forms and what is the appropriate treatment for each form?

4. Hodgkin's disease. Describe its symptoms and pathology.

5. What are the symptoms of deep abscess of the neck? What route may the pus take?

6. What fracture simulates dislocation of the shoulder? Explain mechanism and give differential diagnosis.

7. Stricture of the oesophagus. Causes; treatment.

8. Perforative peritonitis. What are some of the causes and complications?

9. What is the process by which a nerve trunk is repaired after division?

10. What is residual urine? To what complication does it give rise? Give the treatment.

CLINICAL SURGERY. — Professor PORTER.

CASE I.

Miss H., forty years of age. Family history: Negative. Personal history: Negative.

Present illness: The beginning of the present trouble dates back seven years. One day while out walking she was siezed with a pain in the right lumbar region. She went home and got to bed as soon as possible. At times the pain was sharp and cramp-like and would shoot down and across the abdomen. With this there was vomiting, sometimes severe. At other times the pain was a dull ache. This would continue for a while and then there would be a return of the sharp pains and vomiting. At the end of twenty-four hours these symptoms had disappeared. She remained in bed two days and then went on with her duties feeling as well as ever.

Attacks, similar in character, were repeated at intervals of four, six, and eight months up to the present time. The longest period between any two being one year and the shortest time being two weeks. As the number of the attacks increased the length of time they would continue also increased, so that, within the past year, from the beginning of the cramps, vomiting, etc., it would be eight or ten days before she was up and around.

In addition to the pain and vomiting of the first attack she noticed at the onset of those that occurred in the past four years, a tumor. When the pain began she could feel a swelling in the right lumbar region and, sometimes, it extended almost to the umbilicus. It usually lasted a week or ten days and then subsided. There was no tenderness over the tumor and as it disappeared there was an increase in the amount of urine. During the attacks micturition was frequent and slightly painful. There was never diarrhoea or constipation.

History of last attack: She was seized with violent pains in the right side, commencing under the ribs and extending over to the umbilicus. There was vomiting and a tumor as above stated. She immediately went to bed and was treated with hot fomentations over the right lumbar region, as usual, but with little relief. The following day she entered the Massachusetts General Hospital.

Our patient proved to be a tall, rather poorly nourished, but well developed woman. She stated she never had been fleshy, her weight ranging between 110 and 118 pounds.

Physical examination: On palpation, a rounded fluctuating tumor was to be found in the right lumbar region and was about the size of a child's head. Percussion over the tumor gave flatness, otherwise the abdomen was tympanitic. The flatness extended nearly to the median line in front. Above, it was continuous with the flatness of the liver; below, it extended to midway between the umbilicus and the anterior iliac spine.

At times there was tympany over the inner part of the tumor. There was also slight tenderness in the right lumbar region.

Urine: Specific gravity, 1037, somewhat cloudy, otherwise normal. The quantity ranged between fifteen ounces and nineteen ounces per day. At entrance: temperature 100; pulse 80.

(*a*) What is the nature of the tumor?
(*b*) What it the probable cause?
(*c*) What treatment would you recommend and what result would you expect?
(*d*) What would be the result without treatment?

CASE II.

This patient, Daniel B., aged 20, was brought to the accident room of the Massachusetts General at 2.30 on the afternoon of December 4th, 1892. History was as follows: Shortly after 1 o'clock of this day he attempted to board a train moving out of the Lowell depot. His jump so far succeeded as to place him with the right foot on a lower step of the platform — his hands grasping the rail. This position was not long tenable. He saw ahead an iron switch placed most advantageously to intercept him and to throw him from his insecure perch.

Of action there was little choice — he jumped off quickly but, while still in the air, struck his left knee against the horizontal bar of the switch. The force of the blow knocked him over backward but he picked himself up after the train had gone by. The blow was not more painful than many ordinary knocks of the knee. He limped but little; the leg was easily flexed and extended in walking; the knee but slightly sore and stiff; the tread almost as firm as usual. Oozing of blood through the clothing first called attention to the injury. No rent showed in the trousers to indicate the point of the blow, but on pulling up his drawers blood was seen flowing freely from a cut over the knee. Bleeding soon ceased, however, and — leaning on the shoulder of a friend — he walked about a hundred yards to take a herdic for the hospital. All pain and inconvenience were slight.

On entrance, examination showed a strong healthy young fellow presenting no evidence of shock. Over the left patella was a lacerated wound about two inches long. Its general direction was transverse, sloping slightly over the left superior angle of the bone — from above to the left and downward. Manipulation of the joint gave evidence of presence of air and fluid. Swelling was slight. Marked crepitus and abnormal mobility were determined across the top of the patella.

(*a*) What is the injury?
(*b*) How would you treat it?
(*c*) What complications may arise?
(*d*) How would you meet them?
(*e*) What result would you expect?
(*f*) How much will the limb be impaired?

CASE III.

(*a*) What is the most common fracture of the ankle joint?
(*b*) By what mechanism is it usually produced?
(*c*) How would you treat it?
(*d*) What are the principal points of difficulty in its proper treatment and how would you meet them?
(*e*) How much will the joint be impaired?
(*f*) What complications may be present or set in during convalescence?

THEORY AND PRACTICE. — Professor FITZ.

1. Discriminate between acute and chronic, articular rheumatism and rheumatoid arthritis.
2. The causation and differential diagnosis of multiple neuritis.
3. The symptoms and treatment of Graves's disease.
4. The significance of murmurs as evidence of valvular disease of the heart.
5. The symptoms, differential diagnosis, prognosis, and treatment of chronic fibrous myocarditis.
6. The significance and treatment of chronic diarrhoea.
7. The prognosis and treatment of catarrhal jaundice.
8. The diagnostic importance of enlargement of the spleen.
9. The etiology and treatment of renal pain.
10. The essentials of the treatment of acute and chronic nephritis.

CLINICAL MEDICINE. — Professor SHATTUCK.

[Give the differential diagnosis, the prognosis, and the treatment of as many of these cases as the time will allow, discussing them in the order in which they are arranged. Assume that symptoms not mentioned are wanting; but as omissions, intentional or not, may occur, state them if essential. Success will depend more upon the quality than upon the quantity of the work. The intelligent discussion of the cases will have more weight than a hasty and inconclusive though correct diagnosis.]

CASE I. A drummer, 50 years of age, is seen in consultation January 6 at 5.30 P.M. For eighteen years he has had cystitis and risen 3 to 10 times every night to urinate. Twelve years ago he had pneumonia with good recovery. He has overindulged in alcohol. December 30 he sent for his physician and said that for two weeks previous he had suffered some pain in the region of the right nipple without cough or expectoration, keeping at work all the time. Temperature 101; pulse 80; respiration 22. Some crepitus was heard over the right lower back. Next day he was so much better that he told the doctor — who found the temperature and pulse normal — that he need not call again. January 2 the doctor was sent for at 4 A.M. on account of pain in the right side. He found the physical signs about the same, temperature 101. The following day physical signs had extended over the whole right chest and slight fever persisted. At 4 A.M., January 6, "smothering" led to another summons to the doctor, who found difficult breathing. Temperature 98.6, pulse 74, respiration 24. Cough and expectoration were still absent.

The patient was sitting in bed propped upright by pillows; a spare man looking rather more than his years; no cyanosis. Pulse 96, respiration 28. The right side of the chest moved less freely than the left in respiration, was everywhere flat on percussion, while auscultation gave bronchial respiration of moderate intensity and diminished vocal resonance; dry medium rales were also heard generally over the right chest. The cardiac impulse was in the fifth space half an inch to the left of the nipple line; the heart sounds were clear. Resonance and respiration over the left lung were somewhat exaggerated. The abdomen was full and resonant; the liver could not be felt.

Diagnosis? Prognosis? Treatment?

CASE II. A business man of 70, of good habits, previous and family history, is seen March 1. He stated that several times this winter he had had attacks of colicky abdominal pain, not localized, with loose bowels. He now remembers that about ten days ago he began to have slight pain across his belly on stooping. Six days ago he had colicky pain and loose movements composed mostly of mucus. The bowels have not moved since. Four days ago he first complained to the family and remained at home, where he has stayed since, part of the time in bed, part sitting about the house. February 26 a physician was called who found the pulse about 80, irregular; temperature normal; tongue coated; belly a little distended; colicky pain. Gases could be heard moving about the intestine but none escaped from the anus. There was an easily reducible inguinal hernia. Rectal examination was negative. Between this date and March first distension and rumbling gradually increased; he slept fairly well; passed normal urine freely; nothing passed the bowels either spontaneously or after enemata, several of which were given. Vomiting appeared February 28 and was becoming frequent; the vomitus consisted only of undigested food. No fever; pulse a little more frequent than at first, still irregular. Belly much distended, everywhere resonant; borborygmi; no special tenderness. Examination otherwise negative.

Diagnosis? Prognosis? Treatment?

CASE III. A single man of 37 is thin and tall, a family characteristic. His father died of gastric cancer, mother was insane, several brothers and sisters are well. He was captain of a football team at 18 and is naturally fond of athletics. For many years he has been subject to occasional attacks of "indigestion," without very obvious cause, characterized by much wind and rattling in the belly, with loose bowels. Sometimes bile rises into his mouth, but nausea is absent. When in college he remembers that his friends would gather round him and listen with interest to the noises proceeding from his abdomen. He thinks that "eating a lot" would tend to bring on an attack, but is not sure. Three years ago after a course of massage he was free from these attacks for 18 months, but within the past year he has had half a dozen and they seem to be becoming more frequent. Sometimes they threaten without coming. He thinks that he was jaundiced with one of his attacks ten years ago in Florence, but never before or since. He dreads them so much that his happiness and activity are curtailed.

Physical exploration shows a smooth, mobile, rounded tumor in the right hypochondrium, felt from the front, not at all bimanually; traversed by the artificially inflated colon.

Diagnosis? Prognosis? Treatment?

GYNAECOLOGY. — Asst. Professor DAVENPORT.

1. Describe in detail the method of arranging a woman for examination in Sirus's position.

2. Diagnosis and treatment of abscess of the vulvo-vaginal gland.

3. Leucorrhoea — describe its peculiarities according to its source.

4. What are the symptoms — immediate and remote — of laceration of the cervix?

5. Treatment of cancer of the cervix where the disease has advanced too far for radical operation.

DISEASES OF THE NERVOUS SYSTEM. — Professor PUTNAM.

1. Give the symptoms and course of the obstetric brachial palsy of children.

2. Give the electrical reactions of nerves and muscles characteristic of severe nerve injuries at different stages.

3. In what diseases or pathological conditions is muscular wasting found?

4. Give the symptoms of locomotor ataxia [tabes] especially the early symptoms.

5. Give the symptoms of the different forms of syphilis of the nervous system.

A. A child of four goes to bed apparently in good health, but is found in the morning to be unable to use one arm. Later, he becomes able to flex the fingers, and the arm at the elbow. Give diagnosis and prognosis, with reasons, and state what further information you would need for certainty of opinion.

B. A man of 40 is brought by his friends for attacks of temporary loss of consciousness, of which he has had several within the past year. After each one his speech and memory seem impaired. His articulation is slow at all times, and of late he stumbles over long words. As a young man he had syphilis. Give diagnosis, etc.

C. A man of 40 [policeman] has suffered for some months with severe pain, mainly in the neighborhood of the right temple. At times he has had vomiting, and also epileptiform attacks. No syphilis. Give diagnosis, etc., as under *A*.

At least two of the clinical and three of the general questions must be answered.

Fullness and accuracy in detail will be rated above the superficial answering of a larger number of questions.

PEDIATRICS. — Professor Rotch.

1. An infant four weeks old has diarrhoea and vomiting depending on an abnormal condition of the breast milk. What would you expect the chemical analysis of the milk to show?
2. In what ways can the breast milk be modified?
3. Write a prescription for a modified milk for a healthy infant five days old, two months old, and six months old.
4. When should you wean an infant and what are some of the indications and contraindications?
5. State the proper diet and number of feedings in twenty-four hours for an infant fourteen months old?
6. Describe the efflorescence and its distribution in scarlet fever, measles and varicella?
7. What are the most common complications of scarlet fever and measles?
8. How often during the first two weeks of its life would you feed an infant premature at the seventh month?
9. State the causes of dactylitis?
10. Enumerate some of the causes of infantile convulsions.

DERMATOLOGY. — Professor White.

1. Anatomy of sebaceous glands.
2. Treatment of psoriasis.
3. Clinical varieties of eczema.
4. Etiology of alopecia.
5. Forms of cutaneous tuberculosis.

MENTAL DISEASES. — Dr. Fisher.

1. What are the differences between idiocy, imbecility, and dementia?
2. Name the varieties of impulsive insanity.
3. Describe hysteria and hysterical insanity.
4. Relation of neurasthenia to insanity.
5. Stages of evolution and results in a typical case of ordinary insanity.
6. Resemblances and differences of hebephrenia and senile insanity.
7. What is the distinguishing characteristic of paranoia?
8. Name the more common causes, stages of development, and pathology of general paralysis.

Fourth Year's Studies.

OPHTHALMOLOGY. — Professor Wadsworth.

1. Hordeolum and Chalazion: differential diagnosis and treatment.
2. Phlyctenular Conjunctivitis.
3. Ulcerative Keratitis: diagnosis, complications, treatment.
4. Syphilitic Iritis: diagnosis and treatment.
5. How to determine if a foreign body has entered the eye.
6. Ocular affections in locomotor ataxia. Describe the changes to be seen with the ophthalmoscope.
7. Presbyopia and Hypermetropia: how do they affect vision?

GYNAECOLOGY. — Asst. Professor Davenport.

1. Describe what under normal conditions can be felt by bi-manual examination.
2. What are the principal varieties of injuries to the pelvic floor that occur in parturition?
3. Differential diagnosis between Corporeal and Cervical Endometritis.
4. Describe in detail the operation of curetting the uterus.
5. State some of the principal causes of amenorrhoea, and give the appropriate treatment.
6. Give some of the causes of pelvic peritonitis.
7. What measurements are necessary in fitting a pessary, and how would you take them? In what respect would a pessary for (*a*) prolapse, (*b*) retroversion, (*c*) retroflexion, differ?

DERMATOLOGY. — Professor White.

1. Affections of Sweat Glands.
2. Pityriasis maculata et circinata.
3. Treatment of Acne.
4. Lupus erythematosus.
5. Diagnosis of Scabies.

OTOLOGY. — Professor Blake.

1. Describe the malleus and its attachment to the membrana tympani.
2. Where is the stapedius muscle located and what is its attachment and function?
3. What would be the possible effect upon the hearing power of a paralysis of this muscle, and why?
4. What are the objective and subjective symptoms of an acute inflammation of the middle ear in the adult?

5. Describe the appropriate treatment.
6. What are the usual methods for testing the hearing in the adult?
7. Describe the manipulation in using the Eustachian catheter.

LARYNGOLOGY. — Dr. A. Coolidge, Jr.

1. The more common causes and treatment of epistaxis.
2. The causes and symptoms of empyema of the maxillary antrum.
3. The symptoms, and results if untreated, of adenoid vegitations.
4. The clinical history of lupus of the pharynx.
5. The functions of the thyro-arytenoid muscles.
6. The differential diagnosis of syphilis and tuberculosis in the larynx

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CLINICAL OBSTETRICS. — Professor W. L. Richardson.

1. Treatment of inverted nipples?

2. A primipara gives birth to a stillborn infant at term. Treatment of the breasts during the convalescence of the mother?

3. Treatment of cystitis following delivery?

4. Phlegmasia alba dolens. Pathology, prognosis, and treatment?

5. State the various causes which may explain a sudden rise of temperature during the fifth day after delivery. Differential diagnosis?

6. How would you treat a haemorrhage from the base of the stump of the umbilical cord occurring the fourth day after birth?

OPERATIVE OBSTETRICS. — Professor W. L. Richardson.

1. A multipara, seen in consultation after eight hours of second stage labor, presents the brow well engaged. The funis is prolapsed and has been pulseless for two hours. The position is O. L. A. Treatment?

2. A primapara has been in the second stage of labor for two hours and begins to show signs of exhaustion. The presentation is a head which is low down in the pelvis. The position is O. D. P. Treatment in detail?

3. State the operative treatment for high arrest of the face. The position is M. D. P.

4. In a multipara, with the os fully dilated and the head presenting O. D. P., you discover an extremity coming down by the side of the head. How do you distinguish a hand from a foot? Treatment?

OPERATIVE SURGERY. — Professor Porter.

1. What are the rules for ligature of the subclavian artery at the point of election?

2. What is the point of election for ligature of the common carotid, and the rules and guides for its ligature at that point?

3. What are the rules for ligature of the lingual artery?

4. What are the rules for ligature of the femoral at Hunter's canal?

5. Describe the operation for exsection of the upper jaw.

6. Describe the operation for amputation of the penis.

7. Describe the operation for excision of the knee joint

8. Describe the operation for amputation at the hip by the **Furneaux-Jordan** method.

NEUROLOGY. — Dr. Walton.

1. What is a Neuron? Give examples.

2. Pathology and symptoms of Syringo-myelia; how distinguish from cervical pachymeningitis and progressive muscular atrophy?

3. Reaction of degeneration.

4. Causes of musculo-spiral paralysis, and how distinguish from the wrist drop of lead poisoning.

5. Describe a typical case of subdural hemorrhage following trauma.

6. Describe hysterical hemianaesthesia, and point out the peculiarities of the visual field as compared with those pointing to gross lesion.

SYPHILIS. — Dr. Post.

1. A man applies to you with a sore upon the genitals supposed to be of venereal origin. What would lead you to consider it as primary Syphilis?

2. Six weeks later the same man shows you a general macular eruption. What would lead you to consider it as a manifestation of general Syphilis?

3. The same man consults you six months later as to the propriety of his marrying. What advice would you give him?

4. Six months later the same man tells you that his wife is pregnant. What is your prognosis as regards the child? What treatment would you advise?

MENTAL DISEASES. — Dr. Fisher.

1. What are the two grand divisions of the German classification?

2. What is the relation of neurosthenia to insanity?

3. Name and describe the varieties of alcoholic insanity.

4. What is hysteria and hysterical insanity?

5. What is circular insanity?

6. Describe senile insanity and its relation to ordinary senility.

7. Give the stages of a typical case of general paralysis.

8. What is paranoia?

HYGIENE. — Dr. DURGIN.

1. How would you ventilate a public sewer?

2. How long would you quarantine a person after last exposure of cholera, diphtheria, and scarlet fever?

3. What conditions would guide you in selecting a public water supply?

4. What kind of soil and drain pipes are required in plumbing a building?

5. What are some of the objects of subsoil drainage?

6. How would you dispose of the household garbage and prevent its becoming a nuisance and how would you dispose of the other collections of waste and rubbish by the city?

7. Name some of the duties of the physican to the health and registration officers of his city or town.

8. Name a deodorant and a disinfectant and state the difference between them as sanitary agents.

9. What amount of cubic space would be passible for each person in a lodging house and what conditions would influence you in varying the amount?

10. How early and how much would you vaccinate a child and how long after an exposure to small-pox would you expect a vaccination to be useful?

11. What sanitary advantages have we in the incineration of human bodies over the common method of inhumation?

12. What formalities must be observed before burying a human body?

13. What appearances would warrant you in condemning a carcass of beef as tuberculous?

LEGAL MEDICINE. — Professor DRAPER.

1. Describe the centre of ossification in the lower epiphysis of the femur of a new-born child and define its use as evidence in determining fœtal age.

2. In a case of death by homicidal poisoning, what parts of the dead body should be sent to a chemist for analysis, and what precautions should be observed in their preservation and transmission?

3. Upon the discovery of the dead body of an unknown man, of what would you take note for the purpose of establishing the personal identity?

4. Describe *rigor mortis* and specify some of the conditions which promote its early access, its prolonged duration, and its greatest degree?

5. Name some of the principal drugs which are used as abortifaciants, and give your estimate of their value for that purpose.

6. Make a formal report of a medico-legal autopsy in a case of death by a pistol-shot wound of the head.

ADMISSION EXAMINATION PAPERS.

LATIN.

[Candidates will translate one of the following extracts.]

TRANSLATE :—

1. Ita ancipiti proelio diu atque acriter pugnatum est. Diutius cum sustinere nostrorum impetus non possent, alteri se ut coeperant in montem receperunt, alteri ad impedimenta et carros suos se contulerunt: nam hoc toto proelio, cum ab hora septima ad vesperum pugnatum sit, aversum hostem videre nemo potuit. Ad multam noctem etiam ad impedimenta pugnatum est, propterea quod pro vallo carros obiecerant, et e loco superiore in nostros venientes tela coniiciebant, et nonnulli inter carros rotasque mataras ac tragulas subiiciebant, nostrosque vulnerabant. Diu cum esset pugnatum, impedimentis castrisque nostri potiti sunt. Ibi Orgetorigis filia atque unus e filiis captus est. Ex eo proelio circiter hominum milia CXXX superfuerunt, eaque tota nocte continenter ierunt: nullam partem noctis itinere intermisso, in fines Lingonum die quarto pervenerunt, cum et propter vulnera militum, et propter sepulturam occisorum, nostri triduum morati eos sequi non potuissent. Caesar ad Lingonas litteras nuntiosque misit, ne eos frumento neve alia re iuvarent; qui si iuvissent, se eodem loco quo Helvetios habiturum. Ipse, triduo intermisso, cum omnibus copiis eos sequi coepit.

2. Procas, rex Albanorum, Numitorem et Amulium filios genuit. Numitori, qui natu major erat, regnum legavit. Plus tamen vis potuit quam voluntas patris. Pulso fratre, Amulius regnavit: et, ut Numitorem sobole privaret, Rheam Silviam, eius filiam, Vestae sacerdotem fecit. Quo cognito Amulius ipsam in vincula coniecit; parvulos alveo impositos misit in Tiberim, qui tunc forte super ripas lenibus stagnis erat effusus; sed relabente flumine pueros aqua in sicco reliquit. Vastae tum in iis locis solitudines erant. Lupa, ut fama traditum est, ad puerilem vagitum accurrit, infantes lingua lambit, eorum ori admovit ubera, atque se pro matre gessit.

Faustulus, regii pecoris magister, parvulos invenit, et ad casam Laurentiae uxori educandos tulit. Hi deinde adulti inter pastores primo ludicris certaminibus vires auxere, venando saltus peragrare, et latrones a rapina pecorum arcere coeperunt. Quam ob rem quum iis insidiati essent latrones, Remus captus est, Romulus vi se defendit. Tunc Faustulus necessitate compulsus indicavit Romulo, quis esset eius avus, quae mater. Romulus statim cum armatis pastoribus Albam properavit.

ENGLISH.

Every candidate for the examination in English is required to write, legibly and correctly, an original English composition of not less than two hundred words, and also to write English prose from dictation.

(The examiner in charge is to choose the subject for the composition and is to dictate to the applicants.)

PHYSICS.

1. What is Ohm's law?

2. What is the *specific* heat of a body? Mention the two substances having the greatest capacity for heat.

3. What is a dyne?

4. What is centrifugal force? centripetal?

5. What is refraction of light and what is the *critical angle?*

6. What is quality in sound?

7. Give the distinction between a noise and a musical sound.

8. Why are the cores of electro-magnets made of soft iron?

CHEMISTRY.

[Laboratory note-books (qualitative analysis), properly endorsed, must be handed in at this examination.]

1. How long have you studied chemistry? Where? What courses have you taken? What books have you used?

2. State the law of *conservation of mass.*

3. Define the term *salt*, and illustrate your definition by examples.

4. What is the significance of the terminations "ous" and "ic" as applied to acids? How are the corresponding salts designated?

5. How much argentic nitrate is required to precipitate the chlorine of 117 grams sodic chloride?

$$AgNO_3 + NaCl = AgCl + NaNO_3.$$

6. From what are the following substances obtained: (*a*) oxygen; (*b*) chlorine; (*c*) iodine; (*d*) phosphorus; (*e*) ammonium compounds?

7. Describe sulphuric acid; phosphorus.

8. What is mercury? Give, briefly, its properties.

9. What are alloys? amalgams?

$$Ag = 108, Na = 23, Cl = 35.5, N = 14, O = 16.$$

FRENCH.

I. Translate :—

La Cime du Mont-Blanc.

Dans mes premières courses à Chamounix, en 1760, j'avais fait publier dans toutes les paroisses de la vallée que je donnerais une récompense assez considérable à ceux qui trouveraient une route praticable pour parvenir à la cime du Mont-Blanc. Ces promesses n'aboutirent à rien. Cependant quinze ans après, c'est-à-dire en 1775, quatre guides de Chamounix tentèrent d'y parvenir par la montagne de la côte. Cette montagne va aboutir à des glaces et à des neiges que continuent sans interruption jusqu'à la cime du Mont-Blanc. On a quelques difficultés à vaincre pour entrer sur ces glaces et pour traverser les premières crevasses, mais ces premiers obstacles une fois surmontés, il semble qu'il ne reste plus que la longueur de la route, et la difficulté de faire dans un jour la montée et la descente. Je dis *dans un jour*, parce que les gens du pays ne croient pas que l'on puisse hasarder de passer la nuit sur ces neiges.

II. Write a short description in French of a walk in the town or country.

GERMAN.

TRANSLATE: —

Lucas Kranach war nicht nur der größte Maler ſeiner Zeit, ſondern auch ein Mann von edlem Herzen und großem Verſtand. Schon in ſeiner Jugend wendete er ſeine Zeit ſehr gut an, und daher kam es, daß er viel früher ein nützlicher Menſch wurde als Andere. Im neunzehnten Jahr ſeines Alters lernte[1] ihn der Kurfürſt von Sachſen, Johann Friedrich, als einen geſchickten[2] Jüngling kennen[1] und nahm ihn auf ſeiner Reiſe in's Gelobte Land[3] mit ſich. Nach ſeiner Rückkehr in's Vaterland berief er ihn an ſeinen Hof nach Wittenberg und machte ihn daſelbſt zum Bürgermeiſter.[4]

Ein einziger Zug ſeiner ſchönen Seele iſt hinreichend[5] feinen Charakter zu ſchildern.[6] Als ſein Herr, der unglückliche Kurfürſt Johann Friedrich, bei Mühlberg in Sachſen in die Gefangenſchaft[7] Kaiſer Karls V geratten war, erinnerte ſich der Kaiſer, daß Kranach ihn als Knabe gemalt hatte, und ließ dieſen edlen Maler in ſein Lager kommen.

„Wie alt war ich damals, als du mich malteſt?" fragte der Kaiſer. „Eure Majeſtät," antwortete Kranach, „war acht Jahre alt. Es gelang mir nicht eher, Eure Majeſtät ſtillſitzen zu machen, als bis Ihr Hofmeiſter[8] verſchiedene Waffen an die Wand hängen ließ. Während Sie dieſe kriegeriſchen Inſtrumente mit unverwandten Augen betrachteten, hatte ich Zeit, Ihr Bild zu entwerfen."[9] „Bitte dir eine Gnade von mir an, Maler," ſagte der Kaiſer.

[1] kennen lernen, to become acquainted with; to know.

[2] Clever.

[3] Holy Land.

[4] Mayor.

[5] Sufficient.

[6] To describe; paint.

[7] To fall into captivity.

[8] Governor; tutor.

[9] To sketch; draw.

ALGEBRA.

[Leave all the work.]

1. From $5xy$ take $3xy - 3$.
2. From $2ab + b^2 - 4c + bc$ take $3ab + 2b^2 - c - 3bc + 4b^2$.
3. Find the product of $a^2(x - y)^m$ by $a^m(x - y)^3$.
4. Multiply $x - y + z$ by $x + y - z$.
5. Divide $4(a - b)^2$ by $2(a - b)$.
6. Divide $a^4 + 4a^2b^2 + 16b^4$ by $a^2 - 2ab + 4b^2$.
7. Factor $8x^3 - y^3$
8. Multiply $\dfrac{a + b + c}{9(x - y)(x + y)}$ by $3(x + y)$.

9. A man being asked his age replied, that if it were increased by a half and a third of itself it would be 44 years. What was his age?

10. There are three numbers whose sum is 324: the second exceeds the first as much as the third exceeds the second; and the first is to the third as 5 to 7. What are the numbers?

GEOMETRY.

[Leave all the work.]

1. Two triangles are equal in all respects when a side and two adjacent angles of the one are equal respectively to a side and two adjacent angles of the other.

2. The three bisectors of the three angles of a triangle meet in a point.

3. In the same circle or equal circles equal chords subtend equal arcs.

4. An angle formed by a tangent and a chord is measured by one half of the intercepted arc.

5. The area of a triangle is equal to one half of the product of the base by its altitude.

BOTANY.

1. Define: Phanerogam; Cryptogam; Plumule; Node.

2. Give examples of monocotyledonous and of dicotyledonous plants.

3. What are terminal and axillary buds? Name the parts of a complete flower.

4. Describe the phenomena of germination in a bean.

5. Mention the principal kinds of Flower-clusters, and draw diagrams of four.

6. Describe the life of annuals and of biennials.

7. Give examples of: Ranunculaceae; Papaveraceae; Cruciferae; Vitaceae; Iridaceae.